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Canadian
Forestry
Service

Service
canadien des
forêts

Selected Forestry Statistics Canada 1986

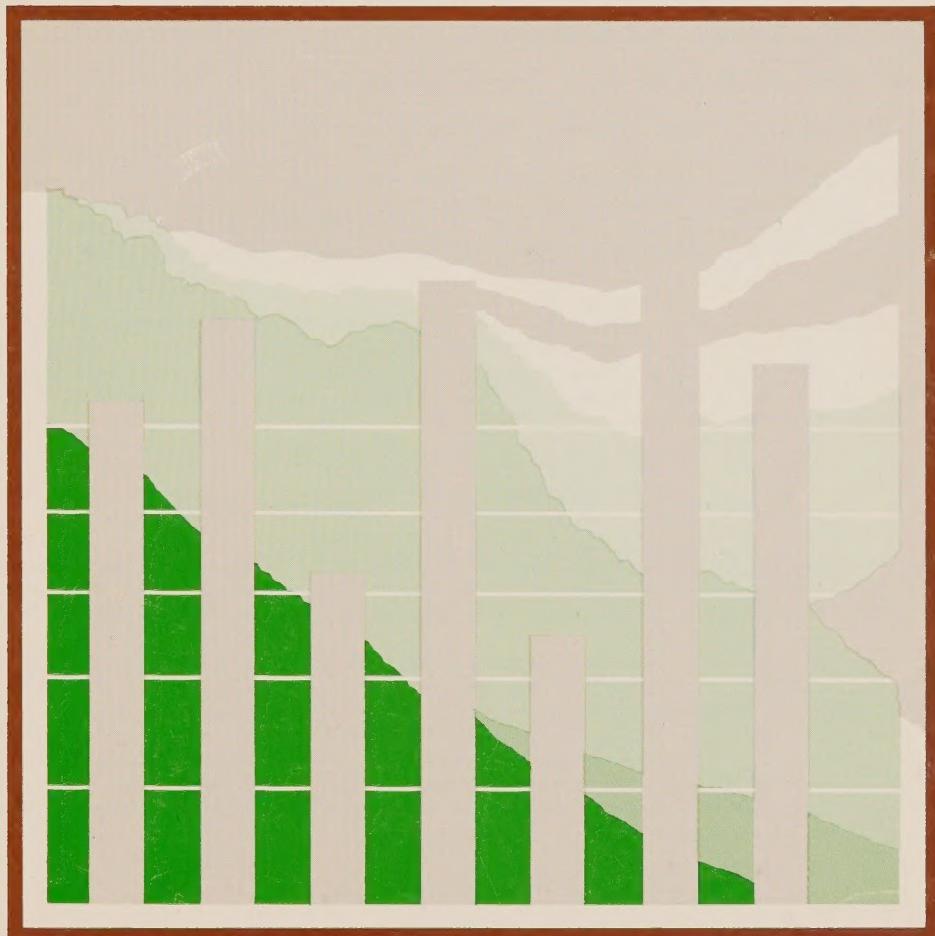
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Information Report E-X-38

Economics Branch, Canadian Forestry Service Headquarters

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THE CANADIAN FORESTRY SERVICE
GOVERNMENT OF CANADA

The Canadian Forestry Service is the principal source of federal expertise in forestry and has been designated as the government's lead agency for forestry matters. Its general objective is to promote the wise management and use of Canada's forest resources for the economic, social, and environmental benefit of Canadians.

The following are the main functions of the CFS:

1. Coordination of federal policies, for the promotion of better resource management and forest industry development.
2. Provision of scientific and technological leadership in forestry through research and development.
3. Provision and analysis of national and international statistics and information as a basis for policy formulation.
4. Development and certification of codes and standards for wood product performance.
5. Protection of Canada's forests from foreign pests.
6. Fostering the potential use of the forest resource for energy.
7. Contributing to the environmental objectives of the Government of Canada.

Canadian Forestry Service programs are coordinated with those of other forestry agencies through a variety of mechanisms, including the Canadian Council of Forestry Ministers, the Forest Sector Strategy Committee, management committees for Federal-Provincial Forestry Development programs, national and regional Research Advisory Committees, and various technical committees for specific program areas.

The Canadian Forestry Service is comprised of a headquarters unit, six forestry centres, and two national institutes. The forestry centres are responsive to regional priorities and maintain close liaison with the respective provincial government forestry departments and other clients. They also participate in, and frequently lead, national programs. The national institutes provide the focus for programs of national scope.

FORSTATS: FORESTRY STATISTICS

The FORSTATS program provides current statistical information on Canada's forest resources, including periodic descriptions and analyses of forest inventory and growth; insect, disease, and fire losses; nursery production and silvicultural practice; and social and economic conditions.

FORSTATS involves the direct participation of the Canadian Forestry Service Headquarters in Ottawa, the FORSTATS project at the Petawawa National Forestry Institute at Chalk River, Ont., Pacific Forestry Centre in Victoria, B.C., Northern Forestry Centre in Edmonton, Alberta, Great Lakes Forestry Centre in Sault Ste. Marie, Ont., Laurentian Forestry Centre in Sainte-Foy, Quebec, Canadian Forestry Service - Maritimes in Fredericton, N.B., Newfoundland Forestry Centre in St. John's, Nfld., the Forest Pest Management Institute in Sault Ste. Marie, Ont., and other federal agencies. The FORSTATS program would not be possible without the cooperation of provincial agencies and the forest industry in providing data.

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- EII

SELECTED FORESTRY STATISTICS

CANADA 1986

ECONOMICS BRANCH
CANADIAN FORESTRY SERVICE
GOVERNMENT OF CANADA

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158 Pearl Street
Toronto, Ontario
M5H 1L3

Cette publication est disponible en français sous le titre Recueil de statistiques forestières canadiennes 1986.

ABSTRACT

"Selected Forestry Statistics, Canada 1986" contains a series of tables on Canadian forest resources and related management activities, commodity production, shipments and trade, principal and employment statistics by industry sector, as well as selling price indexes, financial statistics, and economic indicators. Some transportation, construction, and international data have been added to complete the picture.

Over 115 tables of forest economic data at the national and provincial levels are included in the report. Data have been extracted from approximately 55 different publications. A number of charts have been included to help the reader visualize the information. In addition, the last section of this publication describes the main forestry and economic terms used in the tables. The conversion factors used to convert from imperial to metric measure and the standard symbols used are available on page V. The reader should note that the columns of figures may not always sum exactly due to rounding.

To increase the precision and facilitate the retrieval of time series data, CANSIM (a computerized data bank of Statistics Canada) was used wherever possible. The tables of commodity data were retrieved from computer tapes produced by Statistics Canada's International Trade Division and the world statistics were retrieved from a computer tape produced by the Food and Agriculture Organization of the United Nations.

As a result of a mini-survey made to evaluate the content of the publication, some tables and figures were added, modified, or relocated. A listing comparing table numbers used in 1986 and 1985 is available on page VI.

A special effort has been made to compare forestry figures with agriculture, fishing, mining, and energy. This exercise has been completed in consultation with specialists from the other departments involved. The methodology used is available on request.

Information given at the beginning of the relevant sections highlights the changes which occurred in 1986.

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RÉSUMÉ

Le Recueil de statistiques forestières canadiennes pour l'année 1986 porte sur les ressources forestières au Canada et sur les activités connexes d'aménagement, la production et les livraisons de marchandises, le marché des produits, les statistiques principales et les données sur l'emploi par secteur industriel ainsi que sur les indices des prix de vente, les statistiques financières et les indicateurs économiques. Quelques données sur le transport, la construction et la foresterie mondiale complètent ce document.

Plus de 115 tableaux de données forestières et économiques aux niveaux national et provincial sont inclus dans ce recueil. Les données proviennent d'environ 55 publications différentes. Plusieurs figures accompagnent les tableaux afin d'aider le lecteur à visualiser les renseignements. De même, la dernière section de ce recueil décrit brièvement les principaux termes forestiers et économiques utilisés dans les tableaux. Les facteurs nécessaires à la conversion des mesures impériales en mesures métriques et les signes conventionnels employés sont disponibles à la page V. Le lecteur devra remarquer que les totaux peuvent ne pas être exacts, certains chiffres étant arrondis.

Afin d'augmenter la précision des données et en faciliter l'extraction, CANSIM (la banque informatisée de séries chronologiques de Statistique Canada) a été utilisée où cela était possible. Les données sur le marché des produits ont été extraites de bandes magnétiques produites par la Division du commerce international de Statistique Canada, et les données sur la foresterie internationale proviennent d'une bande magnétique produite par l'organisation des Nations Unies pour l'alimentation et l'agriculture.

Suite à une petite enquête visant à évaluer le contenu de la publication, quelques tableaux et figures ont été ajoutés, modifiés ou relocalisés. Une liste comparant les numéros de tableaux de 1986 à ceux de 1985 est disponible en page VI.

Un effort spécial a été fait afin de comparer les chiffres pour la foresterie à ceux pour l'agriculture, les pêcheries, les mines et l'énergie. Ce travail a été complété en consultation avec les spécialistes des ministères concernés. La méthodologie utilisée est disponible sur demande.

Les renseignements fournis au début des sections soulignent les changements survenus en 1986.

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CONVERSION FACTORS

All units of measure in this publication are shown in metric only. The following table shows the factors used in converting from imperial measure to metric.

Description	Imperial (English) measure	Conversion factor (multiply by)	Metric measure
Bolts	cord	2.406 9	m ³
Flooring	MBF (thousand board feet)	2.359 74	m ³
Logs	MBF (thousand board feet)	4.53	m ³
Logs, pulpwood	cunits	2.831 68	m ³
Lumber	MBF (thousand board feet)	2.359 74	m ³
Newsprint and paper and paperboard	short ton	0.907 185	†
Newsprint and paper and paperboard	CWT (hundredweights)	0.045 36	†
Particleboard	sq ft 5/8 (square foot 5/8")	0.001 47	m ²
Plywood - softwoods	sq ft 3/8 (square foot 3/8")	0.000 884 9	m ²
- hardwoods	sq ft 1/4 (square foot 1/4")	0.000 589 9	m ²
Pulpwood - peeled	cord	2.690 10	m ³
- unpeeled	cord	2.406 93	m ³
- total	cord	2.406 93	m ³
Railway ties	number	0.038 X 2.359 74	m ³
Shingles and shakes	rfsq (roof squares)	9.290 304	m ²
Veneer - softwoods	sq ft (square foot)	0.000 295	m ²
- hardwoods	sq ft (square foot)	0.000 116	m ²
Wood chips	ton (short tons)	0.907 185	†
Wood pulp	CWTAD (hundredweights air dry)	0.045 36	†

KEY TO SYMBOLS

The standard symbols used by Statistics Canada have been adopted for use in this manual. They are as follows:

- ... figures not appropriate or not applicable
- .. figures not available
- nil or zero
- amount too small to be expressed
- p preliminary figures
- x confidential to meet secrecy requirements under the Statistics Act
- e estimated
- n.e.c. not elsewhere classified

LISTING COMPARING TABLE NUMBERS USED IN 1986 AND 1985

1986	1985	1986	1985	1986	1985
I-1	I-1	III-6	-	IV-26	IV-24
I-2	I-2	III-7	-	IV-27	IV-25
I-3	I-3	III-8	III-8	IV-28	IV-26
I-4	I-9	III-9	III-9	IV-29	IV-27
I-5	I-6	III-10	III-14	IV-30	IV-28
I-6	I-7	III-11	III-15		
I-7	I-8	III-12	-	V-1	V-1
I-8	I-10	III-13	-	V-2	-
I-9	I-11	III-14	III-10	V-3	V-2
I-10	-	III-15	III-11	V-4	V-3
I-11	-	III-16	III-12		
I-12	I-4, I-5	III-17	III-13	VI-1	VI-1
		III-18	III-16	VI-2	VI-2, VI-3
II-1	II-1	III-19	III-17		
II-2	II-2	III-20	III-3	VII-1	VII-1
II-3	II-11	III-21	III-4	VII-2	VII-3
II-4	-			VII-3	VII-2
II-5	-	IV-1	IV-1	VII-4	VII-4
II-6	II-4	IV-2	IV-2	VII-5	VII-5
II-7	II-3	IV-3	IV-3	VII-6	VII-6
II-8	II-13	IV-4	IV-4	VII-7	VII-7
II-9	II-12	IV-5	IV-5	VII-8	VII-8
II-10	-	IV-6	IV-6		
II-11	-	IV-7	IV-7	VIII-1	VIII-1
II-12	II-5	IV-8	IV-8	VIII-2	VIII-2
II-13	II-6	IV-9	II-9	VIII-3	VIII-3
II-14	II-14	IV-10	II-10		
II-15	-	IV-11	IV-9	IX-1	IX-1
II-16	II-8	IV-12	IV-10	IX-2	IX-2, IX-3
II-17	II-7	IV-13	IV-11	IX-3	IX-4
II-18	II-14	IV-14	IV-12	IX-4	IX-5
II-19	-	IV-15	IV-13	IX-5	IX-6
II-20	-	IV-16	IV-14	IX-6	IX-7
II-21	II-15	IV-17	IV-15	IX-7	IX-8
II-22	-	IV-18	IV-16	IX-8	IX-9
II-23	-	IV-19	IV-17	IX-9	IX-10
		IV-20	IV-18	IX-10	IX-11
III-1	III-1	IV-21	IV-19	IX-11	IX-12
III-2	III-5	IV-22	IV-20	IX-12	IX-13
III-3	III-7	IV-23	IV-21	IX-13	IX-14
III-4	III-6	IV-24	IV-22	IX-14	IX-15
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- | | |
|--------------------------|--------------------|
| A. Softwood lumber | A. USA |
| B. Wood pulp | B. Japan |
| C. Newsprint | C. EEC |
| D. Other forest products | D. Other countries |
| E. Total forest products | |

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- | | |
|--------------------------|--------------------|
| A. Softwood lumber | A. USA |
| B. Wood pulp | B. EEC |
| C. Newsprint | C. Japan |
| D. Other forest products | D. Other countries |

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SUMMARY OF SELECTED FORESTRY STATISTICS, CANADA 1986

1. Land area, 1981	916.7 million ha			
Inventoried forest land	342.5			
Inventoried productive forest land	220.2			
Agricultural land	65.9			
2. Ownership of inventoried forest land, 1981	342.5 million ha			
Provincial Crown	67%			
Federal Crown	27%			
Private	6%			
3. Ownership of inventoried productive forest land, 1981	220.2 million ha			
Provincial Crown	80%			
Federal Crown	12%			
Private	8%			
4. Silviculture	1979	1980	1981	1982
Area harvested	871 728	891 435	815 415	776 638 ha
Area of site preparation	184 350	196 565	196 228	219 952
Area planted	141 730	152 585	174 124	192 278
Area directly seeded	38 385	65 007	42 593	50 309
Area stand tending	82 943	120 179	122 993	117 647
Area of pest control	2 259 611	2 152 167	2 444 922	3 189 045
5. Fire	1982	1983	1984	1985
No. of fires	8 941	8 930	9 217	9 357
Area burned	1 697 591	1 194 175	635 318	757 260 ha
Value lost	\$196 579	\$101 375	\$82 573	\$ 78 424 thousand
Fire fighting costs	\$141 565	\$100 581	\$85 474	\$136 140 thousand
6. Forest insect and disease conditions, 1977-1981	107.4 million m³			
Average annual mortality volume	60.1			
Growth reduction	22.3			
Wood destruction	25.0			
7. Forest management expenditures	1979	1981	1982	1983
\$ 871.6	\$ 1 247.7	..	\$ 1 247.8 million	
Provincial	490.5	785.6	820.0	783.9
Federal	103.2	142.6	150.8	183.6
Industry	278.0	319.5	..	280.3
Silviculture	\$ 164.5	\$ 272.3	..	\$ 335.9 million
Forest protection	157.8	311.6	..	241.6
Access roads	284.7	265.3	..	229.6
Research	40.0	56.4	..	77.2
Other	224.6	342.1	..	363.5

SUMMARY OF SELECTED FORESTRY STATISTICS, CANADA 1986 (CONT'D)

8. Federal-provincial agreements, 1985-1986	\$142 948 thousand
Provincial	67 133
Federal	75 814
Site preparation and regeneration	80 789
Other silviculture treatments	27 716
Forest protection	1 918
Research and forest extension	25 354
Other activities	7 172
	1982 1983 1984
9. Roundwood production	127.0 156.9 167.5 million m³
Atlantic provinces	9% 9% 9%
Quebec	23% 23% 22%
Ontario	16% 15% 17%
Prairie provinces	8% 7% 8%
British Columbia	44% 46% 44%
Species mix	
Softwoods	91% 92% 92%
Hardwoods	9% 8% 8%
	1982 1983 1984 1985
10. Lumber production	36.8 48.7 49.0 53.9 million m³
Atlantic provinces	3% 4% 4% 4%
Quebec	17% 18% 18% 18%
Ontario	10% 8% 9% 10%
Prairie provinces	7% 7% 6% 7%
British Columbia	63% 63% 63% 61%
Species mix	
Softwoods	97% 98% 97% 97%
Hardwoods	3% 2% 3% 3%
	1982 1983 1984 1985
11. Wood pulp production	18.5 20.2 20.5 20.5 million t
Atlantic provinces	14% 14% 16% ..
Quebec	34% 32% 32% 31%
Ontario	20% 21% 21% 21%
Prairie provinces	5% 5% 5% ..
British Columbia	27% 28% 26% 29%
	1982 1983 1984 1985
12. Basic paper and paperboard production	12.5 13.5 14.4 14.8 million t
Quebec	46% 44% 44% 43%
Ontario	25% 26% 26% 26%
British Columbia	15% 16% 15% 17%
All other provinces	14% 14% 15% 14%

SUMMARY OF SELECTED FORESTRY STATISTICS, CANADA 1986 (CONT'D)

	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	
13. Shipments					
Roundwood	86.4	98.7	102.4	..	million m ³
Lumber - total	35.1	44.8	46.8	..	million m ³
- softwoods	34.6	44.1	46.1	..	million m ³
Wood pulp	7.0	8.2	8.4	8.8	million t
Paper and paperboard - total	12.1	13.0	14.1	14.3	million t
- newsprint	7.7	8.4	9.0	9.0	million t
	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	
14. Exports of forest products	\$ 12 101	\$ 13 218	\$ 15 734	\$ 16 227	million
Lumber - total	2 913	3 965	4 257	4 595	
- softwoods	2 847	3 896	4 182	4 524	
Wood pulp	3 221	3 049	3 906	3 394	
Paper and paperboard - total	5 114	5 098	6 201	6 879	
- newsprint	4 086	3 956	4 784	5 407	
Other forest products	853	1 106	1 370	1 359	
	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	
15. Exports of forest products by region of lading (1982-1983), origin (1984-1985)	\$ 12 101	\$ 13 218	\$ 15 734	\$ 16 227	million
Atlantic provinces	11%	9%	11%	10%	
Quebec	27%	25	25	26	
Ontario	20	21	21	21	
Prairie provinces	4	4	4	4	
British Columbia	38	41	39	39	
	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	
16. Balance of trade, net flow	\$+16 674	\$+15 005	\$+16 924	\$+14 327	million
Forest products	+10 886	+11 620	+13 828	+14 256	
Farm products	+ 3 748	+ 3 907	+ 3 894	+ 2 457	
Fish products	+ 1 591	+ 1 563	+ 1 108	+ 1 351	
Metals and minerals	+ 6 787	+ 6 302	+ 8 245	+ 7 891	
Energy	+ 6 676	+ 8 226	+10 383	+12 082	
Chemicals and fertilizers - minerals	+ 996	+ 1 004	+ 1 163	+ 876	
Chemicals and fertilizers - non minerals	- 1 195	- 1 632	- 1 940	- 1 840	
Textiles	- 972	- 1 240	- 1 432	- 1 570	
Machinery	- 3 102	- 2 754	- 3 672	- 4 726	
Transportation and automotive products	+ 2 240	+ 1 284	+ 2 506	+ 529	
Other products	-10 981	-13 275	-17 159	-16 979	
	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>	
17. Employment in forest industries	292	255	262	270	thousand
Logging	48	40	46	51	
Wood industries	113	97	102	103	
Paper and allied industries	131	118	114	116	

SUMMARY OF SELECTED FORESTRY STATISTICS, CANADA 1986 (CONCLUDED)

	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>	
18. Value of shipments of goods	\$ 28 601	\$ 25 424	\$ 29 326	\$ 32 809	million
Logging	4 430	3 995	4 909	5 364	
Wood industries	8 442	7 168	9 406	9 973	
Paper and allied industries	15 729	14 261	15 011	17 472	
	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>	
19. Value added, total activity	\$ 12 295	\$ 10 234	\$ 12 085	\$ 13 734	million
Logging	1 883	1 650	2 152	2 191	
Wood industries	3 447	2 708	3 993	4 051	
Paper and allied industries	6 965	5 876	5 940	7 492	
	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	
20. Corporate income taxes paid by the forest industries	\$ 169	\$ 180	\$ 235	\$ 241	million
Federal income taxes	110	118	135	135	
Provincial income taxes	59	62	100	106	
	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985p</u>	
21. Capital and repair expenditures	\$ 3 766	\$ 2 983	\$ 3 438	\$ 4 423	million
Logging	403	473	541	529	
Wood industries	586	621	701	724	
Paper and allied industries	2 777	1 889	2 196	3 170	
	<u>1982</u>	<u>1983</u>	<u>1984</u>		
22. Forest industries contribution to Canadian gross domestic products	2.9%	3.2%	3.1%		
Atlantic provinces	x	x	x		
Quebec	3.8%	3.8	4.1		
Ontario	2.1%	2.2	2.2		
Prairie provinces	x	x	x		
British Columbia	7.3%	9.6	8.8		
Canadian gross domestic products at factor cost	\$329 750	\$360 667	\$392 720	million	
	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	
23. Revenue freight loaded on railways	200	207	240	238	
Forest products share	14%	16%	14%	15%	
	<u>Percent</u>	<u>Rank</u>	<u>Volume/value</u>		
24. Canada's share in world forest economy, 1984					
Softwood growing stock	14%	2nd	15 500 million m ³		
Industrial softwood roundwood production	15%	3rd	145 275 thousand m ³		
Softwood lumber output	14%	3rd	48 587 thousand t		
Wood pulp production	15%	2nd	20 451 thousand t		
Newsprint production	31%	1st	9 014 thousand t		
Value of exports of forest products	23%	1st	11 519 million US \$		

SECTION I

CANADIAN FOREST RESOURCES AND RELATED MANAGEMENT ACTIVITIES

Forest Biomass Inventory: The federal ENFOR program, in cooperation with the Canadian Forestry Service and provincial forestry agencies, has worked toward the completion of the Forest Biomass Inventory to provide a better knowledge of forest biomass quantities, their form and location across Canada.

Forest Fire: The Forest Fire Statistics are reported by the Canadian forest fire management agencies. Data limitations preclude the direct responsibility of fire effects on forest inventories and commercial timber supplies. In the absence of content-specific volumetric data, broad resolution area-based statistics are relied upon.

Forest Insects and Diseases: The Forest Insect and Disease Survey (FIDS) is a nationally coordinated program of six regional FIDS units and the new FIDS Technology Development Project. Activities are managed by the regional CFS establishments. The program provides perspectives on insects and diseases, as well as acid rain, to forest managers, quarantine agencies, researchers, educators, and the public. In cooperation with those responsible for improving forest inventory and economic data in Canada, the survey is attempting to provide more quantitative and interpretive data on damage and depletion caused by forest pests.

Forest Inventory: Through the Canadian Forest Inventory Committee, the Canadian Forestry Service works in close cooperation with provincial forest agencies, to discuss and make recommendations on forest inventory procedures, and to acquire data for national summaries on topics such as inventory type, ownership, status, productivity, site quality, stocking, disturbance, age, and forest types.

Forest Management Expenditures: The Forest Management Expenditures Survey is a co-operative effort between the Canadian Pulp and Paper Association and the Canadian Forestry Service. It provides information on the level of funding for forest management activity by government and the forest industry in Canada. In this context, forest management includes the whole range of activities from regeneration through to stand improvement, protection, research, and support services, such as forest inventory and nursery infrastructure. Access roads are also included.

Forest Tree Production: The Forest Tree Production Survey deals with the operations of federal, provincial, industrial, and private commercial production centres producing bare-root and containerized forest tree seedlings primarily for reforestation of harvested land. It is prepared with the assistance of representatives of provincial forestry agencies, the forest industry, and private sector growers across Canada.

Silviculture: The practice of silviculture in Canada is a provincial responsibility for the majority of publicly owned forest lands in Canada. The federal role, coordinated by the Canadian Forestry Service, is supportive through silviculture research, technology transfer, and financial assistance for reforestation, stand tending, and pest control programs under specific federal-provincial agreements.

I - 1. AREA CLASSIFICATION BY CLASS AND PROVINCE, 1981

Area class	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Y.T.	N.W.T.	Canada
1 000 000 ha															
A. Forest land															
Inventoried	14.2	0.3	4.1	6.5	25.1	62.4	43.2	24.0	12.3	33.1	69.4	56.6	24.2	61.5	342.5
Productive	8.5	0.3	2.9	6.2	17.9	53.3	37.7	14.0	8.9	21.6	44.5	45.8	6.7	14.3	220.2
Unproductive	5.7	-	1.2	0.3	7.2	9.1	5.5	10.0	3.4	11.5	24.9	10.8	17.5	47.2	122.3
Not inventoried	-	-	-	-	-	31.6	37.5	10.9	5.5	1.8	18.2	6.7	-	-	94.0
Productive	-	-	-	-	-	31.6	4.9	-	-	1.8	1.8	5.7	-	-	44.0
Unproductive	-	-	-	-	-	-	32.6	10.9	5.5	-	16.4	1.0	-	-	50.0
Total	14.2	0.3	4.1	6.5	25.1	94.0	80.7	34.9	17.8	34.9	87.6	63.3	24.2	61.5	436.4
B. Other lands, water and total area															
Nonforest land	22.9	0.3	1.2	0.7	25.1	41.7	8.4	19.9	39.2	29.5	88.6	29.8	23.6	263.1	480.3
Agricultural	-	0.3	0.5	0.4	1.2	3.8	6.0	7.6	26.0	19.1	52.7	2.2	-	-	65.9
Other	22.9	-	0.7	0.3	23.9	37.9	2.4	12.3	13.2	10.4	35.9	27.6	23.6	263.1	414.4
Total land	37.1	0.6	5.3	7.2	50.2	135.7	89.1	54.8	57.0	64.4	176.2	93.1	47.8	324.6	916.7
Water	3.4	-	0.3	0.2	3.9	18.4	17.7	10.2	8.2	1.7	20.1	1.8	0.4	13.3	75.5
Total area	40.5	0.6	5.5	7.3	53.9	154.1	106.9	65.0	65.2	66.1	196.3	94.9	48.2	338.0	992.2

Source: Bonnor, G.M. Canada's Forest Inventory 1981. Forestry Statistics and Systems Branch, Canadian Forestry Service.

AREA CLASSIFICATION
Millions of hectares

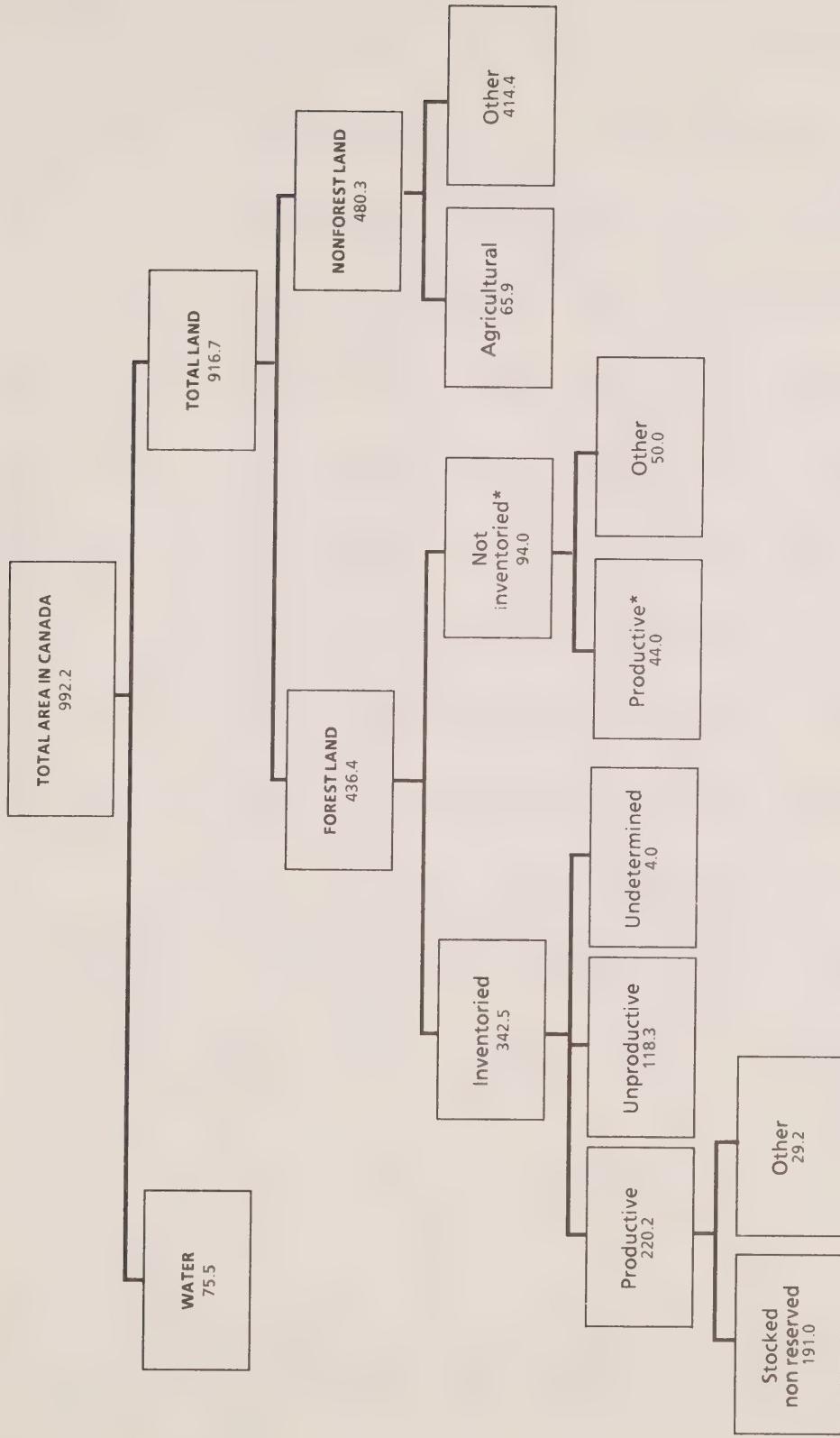


Figure 1. Area classification in Canada, 1981.

Source: Canada's Forest Inventory 1981. Canadian Forestry Service and provincial estimates (*).

I - 2. INVENTORIED FOREST LAND BY OWNERSHIP, CLASS, AND PROVINCE, 1981

4

Area class	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Y.T.	N.W.T.	Canada
A. Inventoried, stocked, productive, nonreserved forest land															
Provincial	7.5	-	0.6	2.8	10.9	43.0	29.3	11.3	7.2	13.3	31.8	39.7	-	-	154.9
Federal a	-	-	-	0.1	0.1	0.1	0.3	0.1	0.2	-	0.3	0.2	4.9	13.7	19.7
Private	0.4	-	2.2	3.0	5.6	5.7	3.4	0.4	-	-	0.4	1.4	-	-	16.4
Municipal / Undetermined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	7.9	-	2.8	5.9	16.6	48.9	33.1	11.8	7.4	13.3	32.5	41.3	4.9	13.7	191.0
B. Inventoried productive forest land															
Provincial	7.9	-	0.6	2.9	11.4	46.9	33.1	13.2	8.4	19.9	41.5	43.7	-	-	176.7
Federal	0.1	-	-	0.2	0.3	0.2	0.6	0.3	0.5	1.7	2.5	0.5	6.7	14.3	25.2
Private	0.4	-	2.2	3.1	5.7	6.3	3.9	0.4	-	-	0.4	1.6	-	-	18.0
Municipal / Undetermined	-	0.3	-	-	0.3	-	-	-	-	-	-	-	-	-	0.3
Total	8.5	0.3	2.9	6.2	17.9	53.3	37.7	14.0	8.9	21.6	44.4	45.8	6.7	14.3	220.2
C. Inventoried forest land															
Provincial	13.5	-	1.1	3.1	17.7	55.6	38.1	23.1	11.8	29.7	64.6	54.3	-	-	230.3
Federal	0.2	-	0.1	0.2	0.5	0.2	0.7	0.4	0.5	3.4	4.3	0.6	24.2	61.5	91.9
Private	0.6	-	2.9	3.2	6.7	6.6	4.3	0.5	-	-	0.5	1.7	-	-	19.9
Municipal / Undetermined	-	0.3	-	-	0.3	-	-	--	-	-	-	--	-	-	0.4
Total	14.2	0.3	4.1	6.5	25.1	62.4	43.2	24.0	12.3	33.1	69.4	56.6	24.2	61.5	342.5

aThe federal lands are divided as follow:

Yukon and N.W.T. 18 658 350 hectares,
 Indian reserves 995 203 hectares,
 National defence 190 492 hectares,
 Forest experiment stations 8 170 hectares,
 Other 39 724 hectares,
Total 19 891 939 hectares.

Source: Bonnor, G.M. Canada's Forest Inventory 1981 and Forest Harvest on Federal Lands 1976-1981. Canadian Forestry Service.

I - 3. GROSS MERCHANTABLE VOLUME OF WOOD ON INVENTORIED, STOCKED,
PRODUCTIVE, NONRESERVED FOREST LAND BY PROVINCE, 1981

Area class	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Y.T.	N.W.T.	Canada
A. Age class (1 000 000 m³)															
Regeneration	-	-	1	1	160	17	-	1	1	1	-	-	-	-	180
Immature	-	-	12	154	166	1 149	2 151	371	-	979	1 350	1 569	209	144	6 758
Mature	69	-	139	353	561	2 824	467	239	-	326	565	6 272	40	301	11 030
Overmature	42	-	28	8	78	-	563	25	-	110	135	-	-	1	777
Uneven-aged	-	-	22	1	23	-	-	-	-	-	-	-	-	-	23
Undetermined	352	33	-	385	-	-	-	484	22	506	-	-	5	-	896
Total	463	33	202	516	1 214	4 133	3 198	635	484	1 438	2 557	7 842	254	446	19 644
B. Species group (1 000 000 m³)															
Softwoods	429	22	137	338	926	3 089	2 075	439	293	781	1 513	7 438	214	315	15 570
Spruce	47	12	76	154	289	1 781	1 292	258	174	395	827	1 927	-	-	6 116
Pine	-	--	13	20	33	226	553	161	110	344	615	1 614	-	-	3 041
Fir	47	8	38	118	211	977	157	10	5	33	48	1 322	-	-	2 715
Hemlock	-	--	8	6	14	25	12	-	-	-	-	1 173	-	-	1 224
Cedar	-	1	-	37	38	70	49	1	-	-	1	626	-	-	784
Douglas-fir	-	-	-	-	-	-	-	-	-	9	9	605	-	-	614
Unspecified	335	1	2	3	341	10	12	9	4	--	13	171	214	315	1 076
Hardwoods	34	11	65	178	288	1 044	1 123	196	191	657	1 044	404	40	131	4 074
Aspen/poplar	2	2	6	33	43	255	609	172	175	657	1 004	337	-	-	2 248
Birch	14	3	-	46	63	483	337	19	14	-	33	41	-	-	957
Maple	--	5	37	76	118	236	139	-	1	-	1	5	-	-	499
Unspecified	18	1	22	23	64	70	38	5	1	-	6	21	40	131	370
Total	463	33	202	516	1 214	4 133	3 198	635	484	1 438	2 557	7 842	254	446	19 644
C. Biomass on nonreserved forest land (1 000 000 t)															
Productive	347	29	315	532	1 223	3 660	3 086	747	638	1 916	3 301	8 798	189	442	20 700
Unproductive	424	1	10	10	445	621	1 123	364	432	230	1 026	708	11	672	4 606
Total	770	30	325	542	1 667	4 281	4 209	1 111	1 070	2 146	4 321	9 506	199	1 114	25 306

Source: Bonnor, G.M. Canada's Forest Inventory 1981 and Inventory of Forest Biomass in Canada 1985. Canadian Forestry Service.

1 - 4. STATISTICS ON PLANTING STOCK FOR REFORESTATION PURPOSES BY SOURCE AND PROVINCE, 1984-1986

Province or territory	Number of production centers 1984	Area available for production ^a 1985	Seedling production			Targeted seedling production by source 1986 (%)
			Trees shipped 1984		Planned production 1985	
			Federal	Provincial	Industry	
A. Containerized seedling production						
Nfld.	3	3	3 204	2 439	3 165	-
P.E.I.	1	1	3 717	1 214	2 000	100.0
N.S.	8	8	27 407	12 073	23 900	-
N.B.	9	10	53 316	39 802	54 391	64.4
Que.	15	8	126 870	21 500	35 000	59.0
Ont.	32	36	77 979	81 458	78 731	99.0
Man.	2	2	6 582	3 722	7 688	9.1
Sask.	-	1	1 134	-	1 530	-
Alta.	5	5	27 115	15 139	23 740	75.8
B.C.	26	37	240 395	74 702	155 338	46.6
Total	101	111	567 719	252 049	384 393	46.6
B. Bare-root seedling production						
Nfld.	1	1	40	3 242	7 000	9 000
P.E.I.	1	1	20	315	390	400
N.S.	2	2	99	4 600	4 400	6 500
N.B.	2	2	126	14 300	13 000	13 000
Que.	8	8	387	47 400	66 500	61 000
Ont.	11	11	761	59 938	71 151	68 875
Man.	1	1	38	2 700	4 500	4 500
Sask.	4	4	151	10 647	11 365	18 159
Alta.	2	2	100	9 600	14 200	12 300
B.C.	11	10	853	53 329	53 696	51 450
Total	43	42	2 575	206 071	246 202	245 184
						88.1
						6.4
						5.5

^aContainerized seedling: square metres; bare-root seedling: hectares.

Source: Smyth, J.H.; Brownright, A.J. Forest Tree Production Centres in Canada - 1984. Canadian Forestry Service.

I - 5. SILVICULTURE STATISTICS BY PROVINCE, 1975-1982

Activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
A. Area harvested												
Clear-cut (ha) ^a	1975	15 700	1 600	27 260	94 400	104 609	140 896	15 700	13 814	20 256	133 277	568 330 ^b
	1976	14 700	1 600	26 285	92 800	140 106	114 171	17 000	9 727	19 060	147 897	583 846 ^b
	1977	14 300	1 600	28 335	86 500	159 045	121 930	18 000	14 231	21 450	140 169	606 498 ^b
	1978	17 600	1 600	32 120	89 200	185 908	141 381	20 000	14 909	22 103	168 820	694 633 ^b
	1979	17 700	1 780	33 703	100 000	208 498	160 147	24 600	20 396	24 689	157 395	724 937 ^b
	1980	15 175	2 500	35 000	85 900	199 920	217 157	24 600	20 746	23 042	156 786	781 626 ^b
	1981	13 454	2 700	35 000	65 500	204 000	202 786	18 900	19 690	20 517	125 148	708 643 ^b
	1982	8 000	2 700	35 000	72 445	159 120	200 537	20 400	19 700	27 029	134 430	679 631 ^b
Total harvesting (ha) ^a	1975	15 700e	1 600	27 260	94 400e	135 094	196 760	15 700e	13 814	20 256	156 976	678 886 ^b
	1976	14 700e	1 600	26 285	92 800e	181 737	156 721	17 000e	9 727	19 060	175 952	696 538 ^b
	1977	14 300e	1 600	28 335	86 500e	193 295	187 993	18 000e	14 231	21 450	166 081	733 220 ^b
	1978	17 600e	1 600	32 120	89 200e	226 127	194 998	20 000e	14 909	22 103	196 533	816 818 ^b
	1979	17 700e	1 780	33 703	100 000e	241 826	218 578	24 600	20 396	24 689	187 547	871 728 ^b
	1980	15 175	2 500e	36 439	85 900e	245 000	242 679	24 600	20 746	29 762c	187 834	891 435
	1981	13 454	2 700e	36 429	65 500e	250 000	227 603	18 900	19 690	32 302	147 889	815 415
	1982	8 000	2 700e	35 710	72 445e	195 000	222 921	20 400	19 700e	37 120	162 172	776 638
B. Area of site preparation												
Prescribed burning (ha)	1975	-	-	-	300	-	-	-	-	-	-	60 615
	1976	-	-	-	500	-	-	-	-	-	-	61 759
	1977	-	-	-	400	-	2 949	-	-	-	-	29 942
	1978	-	-	-	1 000	-	4 247	-	-	-	-	33 460
	1979	-	-	-	1 500	-	4 163	-	-	-	-	47 468
	1980	15	-	-	656	-	2 362	-	-	-	-	217 26 896
	1981	76	-	129	2 284	-	2 409	-	-	-	-	18 372
	1982	8	70	65	1 952	-	5 277	-	-	-	-	29 993
Scarification (ha)	1975	-	-	595	9 800	3 008	45 231	3 965	1 322	15 822	13 194	92 937
	1976	-	48	634	10 500	2 570	39 157	4 038	2 820	14 944	15 490	90 201
	1977	28	-	850	13 500	7 555	42 357	4 080	1 883	18 905	18 227	107 385
	1978	320	16	2 608	15 000	8 478	40 307	4 342	4 530	18 635	17 948	112 184
	1979	1	508	566	2 255	16 802	14 217	45 736	3 823	5 501	14 536	19 827
	1980	235	566	1 952	16 591	6 993	50 624	3 836	7 056	15 587	20 529	123 969
	1981	1 097	280	1 879	20 374	6 904	51 683	4 161	7 125	18 721	20 758	132 982
	1982	1 782	412	1 118	12 231	11 792	60 527	3 627	12 966	26 566	18 892	149 913

I - 5. SILVICULTURE STATISTICS BY PROVINCE, 1975-1982 (CONTINUED)

Activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
B. Area of site preparation (continued)												
Other site preparation	1975	-	-	-	-	-	-	-	-	-	-	945
	1976	-	-	-	-	-	-	-	-	-	-	2 897
	1977	-	-	-	-	-	-	2 655	2 022	-	-	4 677
	1978	-	-	-	-	1 061	4 152	101	1 804	-	-	7 118
	1979	-	-	-	-	198	552	3 491	533	1 450	-	6 224
	1980	29	-	6 058	7 679	6 910	3 634	219	-	52	17 769	42 350
	1981	144	9	6 837	4 726	9 248	3 065	-	-	184	15 763	39 976
	1982	66	29	6 227	4 418	3 008	5 180	-	-	-	13 746	32 674
Total site preparation (ha)	1975	-	-	595	10 100	3 008	45 231	3 965	2 267	15 822	73 809	154 797
	1976	-	48	634	11 000	2 570	39 157	4 038	5 717	14 944	77 249	155 357
	1977	28	-	850	13 900	7 555	47 961	4 080	3 905	18 905	48 169	145 353
	1978	320	16	2 608	16 000	9 539	48 706	4 443	6 344	18 635	51 408	158 009
	1979	1 508	566	2 255	18 500	14 769	53 390	4 356	6 951	14 536	67 295	184 350
	1980	379	556	8 010	24 926	13 903	56 620	4 055	7 056	15 856	65 194	196 565
	1981	1 317	289	8 845	27 384	16 152	57 157	4 161	7 125	18 905	54 893	196 228
	1982	1 856	511	7 410	18 601	14 800	70 984	3 627	12 966	26 566	62 631	219 952
C. Area planted												
Bare-root area (ha)	1975	-	40	980	5 300	15 905	27 284	573	3 402	1 818	50 440	105 742
	1976	-	40	777	5 450	15 271	24 165	743	3 928	761	44 171	95 306
	1977	-	40	1 359	5 200	16 348	24 101	738	6 063	180	32 012	86 041
	1978	-	54	1 907	8 100	14 026	25 189	917	6 004	110	34 740	91 047
	1979	-	44	888	8 500	14 039	26 693	470	4 943	-	40 534	96 111
	1980	200	176	1 244	8 943	13 828	27 146	567	3 352	526	42 265	98 247
	1981	1 074	25	2 567	7 071	14 733	31 473	3 445	6 000	4 152	31 577	102 117
	1982	-	73	1 312	7 922	15 696	30 278	1 817	5 838	4 999	34 217	102 152
Bare-root seedlings (000)	1975	-	100	2 495	13 096	36 582	45 984	1 335	4 598	2 273	58 257	164 720
	1976	-	100	1 925	13 467	35 124	41 927	2 068	5 378	952	48 334	149 275
	1977	-	100	3 125	12 849	37 601	43 343	1 406	8 191	234	34 317	141 166
	1978	-	135	3 045	20 015	32 259	52 928	1 217	9 841	129	38 122	157 691
	1979	-	110	2 910	21 004	32 289	61 453	1 293	9 195	-	48 040	176 294
	1980	500	381	2 567	19 835	34 573	65 360	1 164	6 200	203	49 737	180 520
	1981	2 243	63	6 915	16 376	35 221	69 448	4 000	11 100	6 084	37 173	188 623
	1982	-	177	3 616	11 250	37 579	63 660	3 772	10 800	6 446	40 261	177 561

I - 5. SILVICULTURE STATISTICS BY PROVINCE, 1975-1982 (CONTINUED)

Activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
C. Area planted (continued)												
Container area (ha)	1975	-	80	445	1 375	-	2 766	543	152	4 198	12 638	22 197
	1976	-	80	453	2 600	58	2 005	303	511	4 038	15 990	26 038
	1977	-	80	972	4 407	196	2 406	94	168	5 304	23 729	37 356
	1978	-	40	1 383	2 600	53	2 360	303	587	7 035	23 529	37 890
	1979	184	40	1 788	7 200	23	4 137	100	740	8 264	23 143	45 619
	1980	160	247	2 496	13 095	13	4 934	195	757	11 030	21 410	54 337
	1981	779	465	2 518	15 050	1 142	6 634	689	865	8 837	35 028	72 007
	1982	802	402	2 918	14 536	1 381	7 564	386	432	13 108	48 578	90 107
Container seedlings (000)	1975	-	200	1 100	3 398	-	4 791	1 266	153	5 247	14 564	30 719
	1976	-	200	1 120	6 425	132	3 589	842	759	5 045	17 498	35 610 ^b
	1977	-	200	2 401	10 890	450	4 381	180	322	6 633	25 438	50 895
	1978	-	100	3 416	6 425	122	5 487	402	1 174	8 218	25 211	50 555
	1979	460	100	4 416	17 791	54	7 945	275	1 209	10 329	26 932	69 511
	1980	398	588	5 514	30 951	29	10 497	400	1 400	14 184	25 235	89 196
	1981	1 625	1 150	6 906	36 061	2 456	13 951	800	1 600	11 730	41 127	117 406
	1982	1 803	996	7 541	28 842	2 881	16 465	800	800	17 262	57 442	134 832
Total area planted (ha)	1975	-	120	1 425	6 675	15 905 ^e	30 050	1 116	3 554	6 016	63 078 ^e	127 939
	1976	-	120	1 230	8 050	15 329 ^e	26 170	1 046	4 439	4 799	60 161 ^e	121 344
	1977	-	120	2 331	9 607	16 544 ^e	26 507	832	6 231	5 484	55 741 ^e	123 397
	1978	-	94	3 290	10 700	14 079 ^e	27 549	1 220	6 591	7 145	58 269 ^e	128 937
	1979	184	84	2 676	15 700	14 062 ^e	30 830	570	5 683	8 264	63 677 ^e	141 730
	1980	360	423	3 740	22 038	13 841	32 080	762	4 109	11 556	63 675 ^e	152 585
	1981	1 853	490	5 085	22 121	15 875	38 107	4 134	6 865	12 989	66 605 ^e	174 124
	1982	802	475	4 230	22 458	17 077	37 842	2 203	6 270	18 107	82 795 ^e	192 259
Total seedlings planted (000)	1975	-	300	3 595	16 494	36 582	50 775 ^e	2 601	4 751	7 520	72 821	195 439
	1976	-	300	3 045	19 892	35 256	45 516 ^e	2 910	6 137	5 997	65 832	184 885
	1977	-	300	5 526	23 739	38 051	47 724 ^e	1 586	8 513	6 867	59 755	192 061
	1978	-	235	6 461	26 440	32 581	58 415	1 619	11 015	8 347	63 333	208 246
	1979	460	210	7 326	38 795	32 343	69 398	1 568	10 404	10 329	74 972	245 805
	1980	898	969	8 081	50 786	34 602	75 857	1 564	7 600	14 387	74 972	269 716
	1981	3 868	1 213	13 821	52 437	37 677	83 399	4 800	12 700	17 814	78 300	306 029
	1982	1 803	1 173	11 157	40 092	40 460	80 125	4 572	11 600	23 708	97 703	312 393

I - 5. SILVICULTURE STATISTICS BY PROVINCE, 1975-1982 (CONCLUDED)

Activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
D. Area directly seeded (ha)												
	1975	-	-	-	125	5 693	23 510	223	-	7 906	-	37 457
	1976	-	-	10	550	1 810	27 039	199	-	6 470	-	36 078
	1977	-	-	1	393	3 373	28 791	61	-	7 668	-	40 287
	1978	-	-	127	-	5 703	23 582	126	-	5 416	-	34 954
	1979	-	-	77	-	6 744	24 251	2 774	-	4 539	-	38 385
	1980	36	-	-	-	9 949	47 294	1 093	-	6 635	-	65 007
	1981	54	-	-	172	9 525	27 869	272	-	4 701	-	42 593
	1982	230	-	55	9	14 506	29 991	118	-	5 400	-	50 309
E. Area of stand tending (ha)												
	1975	251	-	1 334	-	**	33 277	562d	-	1439	1 841	37 408
	1976	236	-	1 625	-	**	38 324	377d	-	9069	9 733	51 201
	1977	2 340	-	2 146	1 032	**	52 850	558d	-	1239	23 435	82 484
	1978	2 327	-	2 504	1 807	**	48 269	624d	-	1529	26 586	82 269
	1979	2 790	20	3 556	3 436	**	39 228	220d	142f	2729	33 279	82 943
	1980	33	49	7 451	18 924	10 829	51 036	263d	367f	3509	30 877	120 179
	1981	2 615	353	9 264	17 618	12 686	41 444	-	369f	9679	37 677	122 993
	1982	3 901	1 112	5 923	18 263	6 446	54 506	-	68f	1 3979	26 031	117 647
F. Area of pest control (ha)												
	1975	-	-	-	2 695 000	2 800 000e	14 167	-	-	-	1 785	5 510 952
	1976	-	-	-	3 881 000	2 900 000e	41 060	-	-	-	2 667	6 824 727
	1977	76 910	-	556	1 682 000	1 400 000e	10 522	-	-	-	2 384	3 172 372
	1978	376 600	-	25 670	1 554 000	1 200 000e	4 085	-	-	-	2 908	3 163 263
	1979	5 870	-	30 752	1 598 000	600 000e	22 702	-	-	-	2 287	2 259 611
	1980	-	-	25 670	1 900 000	188 511	36 422h	-	-	-	1 564	2 152 167
	1981	-	-	31 195	1 693 000	705 164	11 733	-	-	-	3 830	2 444 922
	1982	-	-	19 153	1 867 570	1 298 495	3 827	-	-	-	-	3 189 045

aCrown land only.

bCanada totals includes Yukon and Northwest Territories.

cIn 1980-81, 1981-82 and 1982-83, 6 720, 11 785, 10 091 hectares were cleared of aspen under a special stand conversion program and were not harvested in the commercial sense.

dThinning only.

eEstimated.

fMostly manual weeding.

gIncludes herbicides and pesticides.

SILVICULTURE



Figure 2. Harvesting compared to planting and direct seeding in Canada, 1975-1982.

Source: Silviculture statistics for Canada 1975-76 to 1982-83, Canadian Forestry Service.

SILVICULTURE Thousand hectares

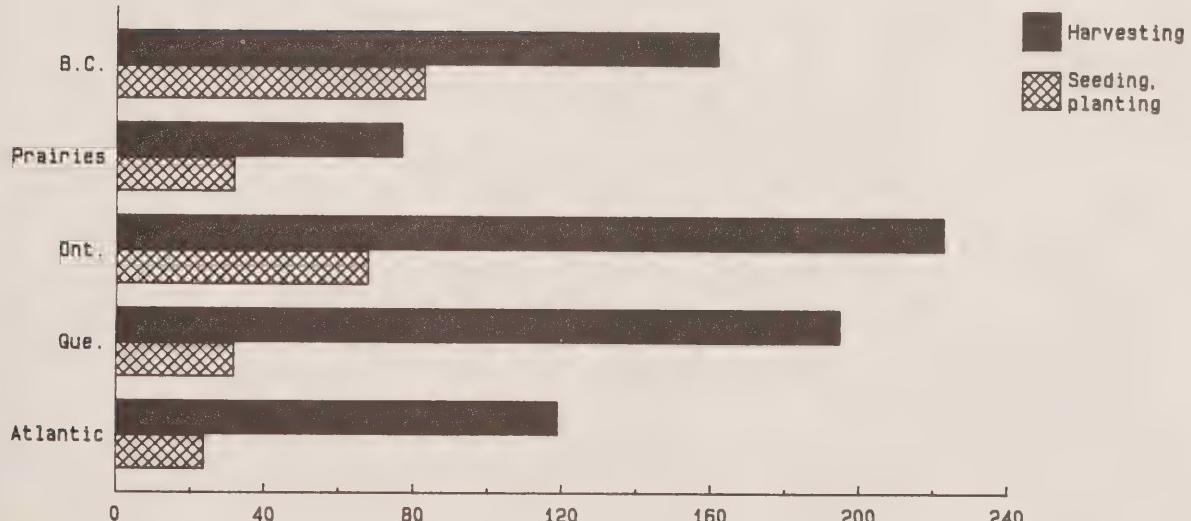


Figure 3. Harvesting compared to artificial regeneration by region, 1982.

Source: Silviculture statistics for Canada 1975-76 to 1982-83, Canadian Forestry Service.

I - 6. FOREST FIRE STATISTICS BY PROVINCE, 1980-1985

Province or territory	No. of fires ^a	Area burned (ha)	Value lost	Fire control expenditure	
				Budgeted costs	Fire fighting costs
----- \$000 -----					
Newfoundland					
1980	60	954	120	3 250	420
1981	131	13 087	698	2 400	665
1982	165	4 392	60	3 300	130
1983	138	16 792	24	3 428	50
1984	101	7 743	..	1 735	592
1985	289	153 115	7 156	1 748	2 247
Prince Edward Island					
1980	16	67	..	..	..
1981	40	146	6	9	13
1982	53	131	10	25	..
1983	55	321	15	24	..
1984	38	202	4	30	34
1985	52	181	5	165	177
Nova Scotia					
1980	439	953	..	1 924	300
1981	449	370	..	1 226	120
1982	491	617	..	585	186
1983	332	449	..	624	159
1984	446	594	..	..	250
1985	583	1 077	..	2 722	304
New Brunswick					
1980	389	2 815	887	339	770
1981	275	389	342	425	263
1982	487	6 537	3 677	486	3 010
1983	456	1 852	2 093	1 072	2 229
1984	395	580	79	1 186	517
1985	851	4 144	1 751	410	1 045
Quebec					
1980	947	31 573	847 ^b	19 170	1 869
1981	1 114	2 480	343	20 775	2 369
1982	1 202	7 970	886	19 800	3 249
1983	1 653	238 903	26 430	23 200	11 803
1984	683	3 082	262	22 800	1 100
1985	880	2 697	266	26 087	1 831
Ontario					
1980	1 779	560 325	72 094	20 708	56 183
1981	1 656	179 473	9 171	26 800	2 700
1982	1 396	3 892	117	24 800	16 999
1983	2 244	443 655	15 583	24 500	20 000
1984	1 240	297 564	1 440	26 000	7 500
1985	887	1 007	389	20 900	2 500

I - 6. FOREST FIRE STATISTICS BY PROVINCE, 1980-1985 (CONTINUED)

Province or territory	No. of fires ^a	Area burned (ha)	Value lost	Fire control expenditure				
				Budgeted costs	Fire fighting costs			
----- \$000 -----								
Manitoba								
1980	1 082	514 292	109 431	3 031	7 155			
1981	712	396 454	60 789	1 000	7 353			
1982	425	15 444	2 225	8 461	2 725			
1983	535	99 153	5 773	8 500	8 259			
1984	692	130 189	12 940	7 600	7 337			
1985	346	11 823	1 437	7 800	1 634			
Saskatchewan								
1980	743	1 348 792	17 603	790	15 311			
1981	965	1 647 971	538 531	780	21 995			
1982	596	64 586	..	1 082	8 250			
1983	437	52 172	35 583	8 000	7 589			
1984	549	13 036	59 239	9 020	14 724			
1985	520	110 128	29 350	7 964	9 109			
Alberta								
1980	1 348	672 460	115 349	7 829	37 341			
1981	1 522	1 365 600	186 998	22 198	51 830			
1982	1 256	679 683	138 015	32 684	55 912			
1983	756	2 818	309	19 075	16 214			
1984	1 370	79 966	3 129	19 658	7 804			
1985	939	12 920	1 986	27 266	9 234			
British Columbia								
1980	1 743	65 578	21 526	7 718	18 024			
1981	2 737	106 593	12 857	6 995	39 223			
1982	2 205	348 693	43 890	6 456	42 258			
1983	1 705	67 365	12 309	50 000	24 800			
1984	3 063	19 908	4 295	46 000	37 500			
1985	3 604	234 647	33 849	45 345	101 479			
Yukon								
1980	150	130 781	6 914	2 855	2 045			
1981	91	35 159	1 726	4 428	3			
1982	204	254 891	5 994	3 792	532			
1983	198	43 006	1 672	5 746	1 478			
1984	168	19 895	967	5 900	1 300			
1985	110	15 131	1 211	5 500	676			
Northwest Territories								
1980	345	1 214 396	7 030	3 750	11 800			
1981	311	984 932	6 266	3 800	7 582			
1982	357	302 150	1 705	4 200	7 283			
1983	337	226 841	1 585	9 667	7 700			
1984	311	41 074	219	5 495	4 800			
1985	150	204 745	1 024	5 600	3 513			

I - 6. FOREST FIRE STATISTICS BY PROVINCE, 1980-1985 (CONCLUDED)

Province or territory	No. of fires ^a	Area burned (ha)	Value lost	Fire control expenditure				
				Budgeted costs	Fire fighting costs			
----- \$000 -----								
National Parks								
1980	100	279 164	30	--	3 370			
1981	142	680 711	..	2 629	1 769			
1982	104	8 605	..	1 385	1 031			
1983	84	848	..	1 649	300			
1984	161	21 486	..	2 240	2 018			
1985	146	5 645	..	2 276	2 391			
Total								
1980	9 147	4 822 167	351 833	71 450	154 591			
1981	10 145	5 413 365	817 727	93 965	135 891			
1982	8 941	1 697 591	196 579	107 056	141 565			
1983	8 930	1 194 175	101 375	155 485	100 581			
1984	9 217	635 318	82 573	147 665	85 474			
1985	9 357	757 260	78 424	153 783	136 140			

^aApproximately 60% of the forest fires have a known-man cause, 35% are caused by lightning and 5% have an unknown cause.

bExcludes the value of timber lost on 18 396 ha in the limited protection zone from 1980 to 1982.

Nota: Because of differences in administrative and accounting procedures, direct comparisons between provinces and other jurisdictions are difficult and potentially misleading. The function of these data is to show the order of magnitude of forest fire control expenditures and monetary losses in Canada as well as to provide a record of the annual trend. The values are the best available, but their limitation should be recognized.

Source: Ramsey, G.S.; Higgins, D.G. Canadian Forest Fire Statistics 1980 and Canadian Forest Fire Statistics 1981, 1982, 1983. Canadian Forestry Service and unpublished figures 1984-1985.

1 - 7. STATISTICS ON FOREST INSECT AND DISEASE CONDITIONS - ESTIMATED
AVERAGE ANNUAL DEPLETION CAUSED BY IMPORTANT PESTS, 1977-1981

Type	Average annual mortality volume	Growth reduction	Wood destruction	Total
1 000 000 m ³				
A. Insects				
Spruce budworms				
Nfld.	3.7	..	-	3.7
P.E.I.	..	..	-	..
N.S.	3.1	..	-	3.1
N.B.	1.6	..	-	1.6
Que.	14.8	..	-	14.8
Ont.	11.6	..	-	11.6
Total	34.8	9.7	-	44.5
Mountain pine beetle	5.1	..	-	5.1
Spruce bark beetle	3.5	..	-	3.5
Other bark beetles	0.3	..	-	0.3
Aspen defoliators	..	8.0	-	8.0
Miscellaneous defoliators	0.3	0.8	-	1.1
Total	44.0	18.5	-	62.5
B. Diseases				
Dwarf mistletoes	...	3.8	-	3.8
Hypoxylon canker	11.2	..	-	11.2
Decays	...	...	25.0	25.0
Miscellaneous diseases	4.9	..	-	4.9
Total	16.1	3.8	25.0	44.9
Total insects and diseases	60.1	22.3	25.0	107.4

Source: Sterner, T.E.; Davidson, A.G. (compilation) and regional centers (collaboration). Forest Insect and Disease Conditions in Canada 1981. Canadian Forestry Service.

I - 8. PUBLIC AND INDUSTRY EXPENDITURES ON FOREST MANAGEMENT ACTIVITIES, 1977-1983^a

Source	Year	Silviculture	Forest protection	Resource access	Research	Inventory	Timber management	Administration	Other ^b	Total ^c
						\$000 000	\$000 000			
Provincial	1977	83.5	90.5	45.2	6.2	13.6	-	121.8	-	360.8
	1979	115.7	125.8	72.3	9.9	13.7	43.1	110.0	-	490.5
	1981	195.6	262.8	79.5	16.5	20.8	71.6	138.8	-	785.6
	1982	227.6	240.2	74.8	17.5	20.6	78.5	160.7	-	820.0
	1983	240.9	182.1	87.1	18.3	21.3	75.1	159.2	-	783.9
Federal	1977	18.6	6.2	10.6	31.0	0.8	-	10.5	-	77.7
	1979	26.9	11.2	19.2	30.1	1.4	2.9	11.5C	-	103.2
	1981	33.7	22.5	23.0	39.9	1.8	3.1	18.6C	-	142.6
	1982	46.4	26.5	17.7	46.2	0.6	2.3	11.1C	-	150.8
	1983	58.4	25.8	20.7	58.9	0.7	2.8	16.3C	-	183.6
Industry	1977	16.1	18.6	161.0	-	**	**	**	**	220.8
	1979	21.9	20.9	193.2	-	**	**	**	42.0	278.0
	1981	43.0	26.3	162.8	-	**	**	**	87.4	319.5
	1982	**	**	**	**	**	**	**	**	**
	1983	36.6	33.7	121.8	-	**	**	**	88.1	280.3
Total expenditures	1977	118.2	115.3	216.8	37.2	**	**	171.8	659.3	
	1979	164.5	157.8	284.7	40.0	**	**	224.6	871.6	
	1981	272.3	311.6	265.3	56.4	**	**	342.1	1 247.7	
	1982	**	**	**	**	**	**	**	**	
	1983	335.9	241.6	229.6	77.2	**	**	363.5	1 247.8	

^a1977 for fiscal year 1977-1978, 1979 for 1979-1980, 1981 for 1981-1982, 1982 for 1982-1983, and 1983 for 1983-1984.
 bOther expenditures in this case include the "inventory", "timber management", and "administrative and other" categories of the public expenditures and the "other forestry" category of the industrial expenditure.
 c\$8.1 million, \$17.3 million, \$8.9 million, \$14.1 million expended by Canadian Forestry Service headquarters in Hull, Quebec, for 1979, 1981, 1982, and 1983. Expenditures for 1977 are not known.

Source: Barron, D.E.; Smyth, J.H.; Campbell, K.L.; Martel, J.P. Forest Management Expenditures in Canada, 1977-1983. Canadian Pulp and Paper Association and Canadian Forestry Service.

FOREST MANAGEMENT EXPENDITURES

17

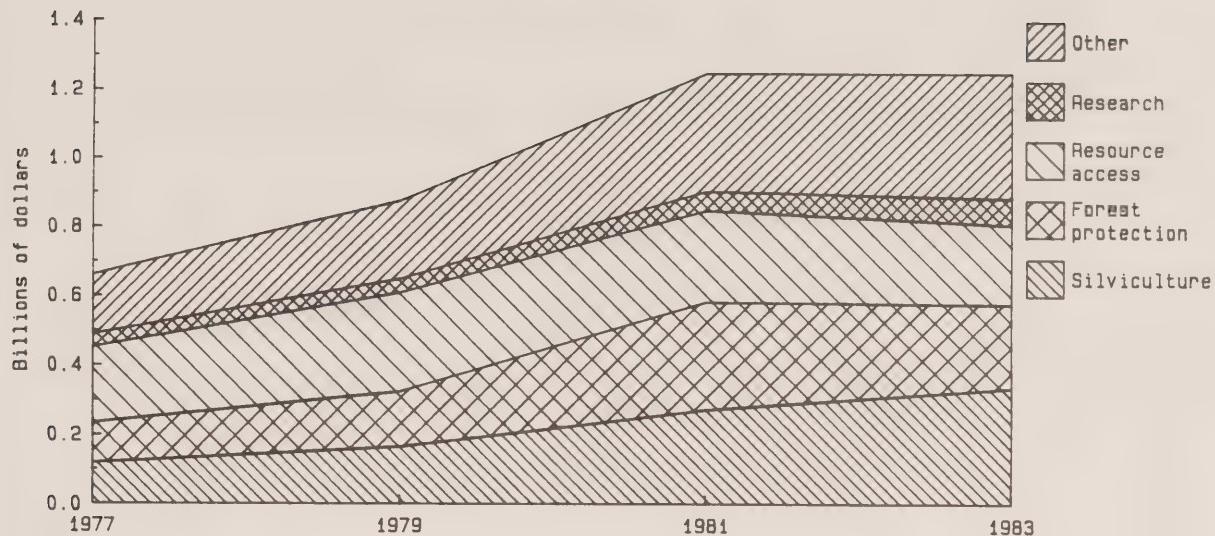


Figure 4. Public and industry expenditures on forest management by activity, 1977-1983.

Source: Forest Management Expenditures in Canada 1977-1983, Canadian Pulp and Paper Association and Canadian Forestry Service.

FOREST MANAGEMENT EXPENDITURES

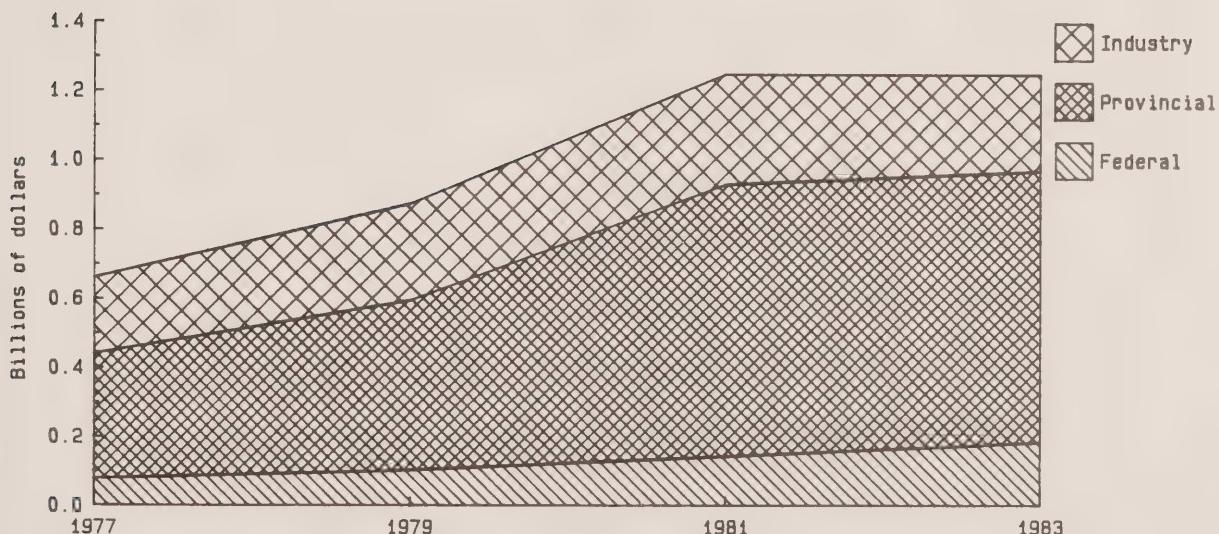


Figure 5. Public and industry expenditures on forest management by source, 1977-1983.

Source: Forest Management Expenditures in Canada 1977-1983, Canadian Pulp and Paper Association and Canadian Forestry Service.

I - 9. PUBLIC AND INDUSTRY EXPENDITURES ON FOREST MANAGEMENT BY SOURCE,
ACTIVITY, AND PROVINCE, 1977-1983^a

Source/ activity	Year	Nfld.	P.E.I.	N.S.	N.B.	\$000 000						Sub- total	N.W.T.	Canada	
						Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies			
A. Source															
Provincial	1977	6.4	0.2	12.4	16.1	35.1	73.6	86.9	6.3	7.7	26.9	40.9	125.2	361.7	-
	1979	7.1	0.6	8.3	18.3	34.3	95.1	106.2	9.5	13.2	45.4	68.1	186.7	490.4	-
	1981	13.3	1.2	10.6	26.7	51.8	106.5	176.3	15.7	34.0	116.3	166.0	284.9	785.5	-
	1983	12.2	1.6	14.3	31.9	60.0	131.3	237.2	5.8	14.3	64.6	84.7	270.7	783.9	-
Federal	1977	11.3	0.6	1.2	10.5	23.6	23.0	10.8	-	0.6	4.2	4.8	4.1	66.3	10.5
	1979	8.6	1.4	3.0	12.4	25.4	35.6	11.5	1.3	3.3	3.6	8.2	10.4	91.1	12.2
	1981	8.2	2.0	5.0	14.5	29.7	46.7	24.3	-	2.4	4.9	7.3	10.0	118.0	24.7
	1983	15.8	2.0	4.3	17.6	39.7	64.2	31.0	-	-	7.3	7.3	14.3	156.5	27.1
Industrial	1977	1.4	-	5.3	10.7	17.4	43.4	29.7	1.0	2.7	13.0	16.7	113.6	220.8	-
	1979	3.4	-	5.1	14.6	23.1	48.4	28.9	1.4	3.0	8.4	12.8	164.8	278.0	-
	1981	7.7	-	10.4	20.7	38.8	55.1	29.1	2.4	4.8	10.2	17.4	179.1	319.5	-
	1983	5.0	-	7.7	13.6	26.3	51.9	32.8	1.6	1.9	16.4	19.9	149.3	280.3	-
B. Activity															
Silviculture	1977	0.9	0.6	3.8	7.9	13.2	24.9	31.9	0.9	2.7	6.3	9.9	38.3	118.2	-
	1979	0.6	1.3	3.9	10.4	16.2	30.2	42.3	2.1	4.1	8.7	14.9	60.9	164.5	-
	1981	4.0	1.7	8.7	17.9	32.3	43.1	80.4	1.3	4.0	12.8	18.1	98.4	272.3	-
	1983	8.6	2.2	9.6	15.5	35.9	71.5	95.5	1.9	4.1	17.2	23.2	109.8	335.9	-
Protection	1977	2.5	-	1.3	9.8	13.6	31.2	32.0	3.5	9.7	16.2	16.4	109.4	5.9	115.3
	1979	5.6	0.1	2.9	9.3	17.9	23.2	33.4	6.0	5.4	19.4	30.8	42.3	147.6	10.2
	1981	7.6	0.1	3.7	15.6	27.0	29.9	52.3	11.6	26.4	76.8	114.8	65.3	289.3	22.3
	1983	3.6	-	3.3	16.6	23.5	49.6	65.2	1.9	7.8	19.5	29.2	48.9	216.3	25.3
Resource access	1977	4.6	-	4.9	4.7	14.2	41.5	51.5	1.7	3.6	8.6	13.9	115.7	216.8	-
	1979	4.1	0.1	5.1	5.4	14.7	53.7	32.0	2.0	6.3	5.2	13.5	170.8	284.7	-
	1981	4.8	0.1	6.1	2.9	13.9	53.7	43.6	2.4	6.3	7.7	16.4	137.7	265.3	-
	1983	5.8	0.1	5.2	3.8	14.9	46.2	71.3	1.0	0.4	6.4	7.6	89.6	229.6	-

I - 9. PUBLIC AND INDUSTRY EXPENDITURES ON FOREST MANAGEMENT BY SOURCE,
ACTIVITY, AND PROVINCE, 1977-1983^a (CONCLUDED)

Source/ activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Sub- total	Yukon and N.W.T.	Canada
B. Activity (continued)																
Research ^b	1977	1.8	-	0.3	3.8	5.9	9.3	11.6	-	-	3.8	3.8	6.6	37.2	-	37.2
	1979	2.1	0.1	0.3	5.5	7.8	6.3	13.3	-	-	3.6	3.6	9.0	40.0	-	40.0
	1981	3.4	0.3	0.3	6.5	10.5	7.7	17.5	-	-	5.7	5.7	15.0	56.4	-	56.4
	1983	4.3	0.1	0.5	8.7	13.6	10.4	25.6	-	0.1	9.8	17.7	77.2	-	77.2	
Other ^c	1977	9.3	0.2	8.6	11.1	29.2	33.1	20.4	1.2	1.7	15.7	18.6	65.9	167.2	4.6	171.8
	1979	6.7	0.4	4.1	14.9	26.1	65.7 ^d	25.6	2.1	3.7	20.5	26.3	78.9	222.6	2.0	224.6
	1981	9.4	1.0	7.2	19.0	36.6	73.9 ^d	35.9	2.8	4.5	28.4	35.7	157.6	339.7	2.4	342.1
	1983	10.7	1.2	7.7	18.7	38.3	69.8 ^d	43.3	2.6	3.8	35.6	42.0	168.2	361.6	1.9	363.5
Total	1977	19.1	0.8	18.9	37.3	76.1	140.0	127.4	7.3	11.0	44.1	62.4	242.9	648.8	10.5	659.3
	1979	19.1	2.0	16.3	45.3	82.7	179.1	146.6	12.2	19.5	57.4	89.1	361.9	859.4	12.2	871.6
	1981	29.2	3.2	26.0	61.9	120.3	208.3	229.7	18.1	41.2	131.4	190.7	474.0	1 223.0	24.7	1 247.7
	1983	33.0	3.6	26.3	63.1	126.0	247.4	300.9	7.4	16.2	88.4	112.0	434.2	1 220.7	27.1	1 247.8

^a1977 for fiscal year 1977-1978, 1979 for 1979-1980, 1981 for 1981-1982, and 1983 for 1983-1984.

^bResearch expenditures include only provincial and federal estimates.

^cOther expenditures in this case include the "inventory", "timber management" and "administration and other" categories of the public expenditures and the "other forestry" category of the industrial expenditure.
^d\$8.1 million, \$17.3 million, \$8.9 million, \$14.1 million expended by Canadian Forestry Service headquarters in Hull, Quebec, for 1979, 1981, 1982, and 1983. Expenditures for 1977 are not known.

Source: Barron, D.E.; Smyth, J.H.; Campbell, K.L.; Martel, J.P. Forest Management Expenditures in Canada, 1977-1983. Canadian Pulp and Paper Association and Canadian Forestry Service.

I - 10. FEDERAL/PROVINCIAL FOREST AGREEMENT STATISTICS ON FOREST DEVELOPMENT BY
SILVICULTURE ACTIVITIES AND PROVINCE, 1985^a

Area/activity	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
A. Area treated (1 000 ha)^b											
Site preparation and regeneration	7.1	2.0	15.3	17.9	95.6	33.7	2.2	5.3	--	28.2	207.3
Other silviculture treatments	6.0	1.2	21.4	24.4	10.0	10.7	0.3	0.8	--	4.6	79.4
Forest protection	-	-	-	-	-	-	1.1	-	-	-	1.1
Research and forest extension	-	-	-	-	-	-	-	-	-	-	-
Other activities ^c	-	-	-	-	-	-	-	-	-	-	-
Total	13.1	3.2	36.7	42.3	105.6	44.5	3.6	6.1	--	32.9	287.9
B. Source of expenditures by activity^d (\$ 000)											
Site preparation and regeneration	3 605.0	671.3	2 306.5	2 675.2	17 697.7	9 154.8	576.1	116.6	0.9	5 337.0	42 141.1
- Federal	360.5	35.4	2 118.9	2 384.3	17 645.5	9 014.1	-	1 831.8	-	5 257.0	38 647.5
- Provincial	-	-	4 425.4	5 059.6	35 343.2	18 168.9	576.1	1 948.5	0.9	10 594.0	80 788.6
- Total	3 965.5	706.7	-	-	-	-	-	-	-	-	-
Other silviculture treatments	3 270.0	1 284.4	3 893.4	3 228.4	2 271.6	512.6	162.8	467.1	172.4	1 817.0	17 079.7
- Federal	327.0	93.7	2 397.4	2 647.2	2 080.0	1 171.3	-	279.6	6.7	1 635.0	10 635.9
- Provincial	-	-	6 290.8	5 875.6	4 351.6	1 684.0	162.8	746.7	179.1	3 450.0	27 715.7
- Total	3 597.0	1 378.1	-	-	-	-	-	-	-	-	-
Forest protection	782.1	-	-	-	-	-	221.0	-	34.8	-	1 037.9
- Federal	78.2	-	130.0	-	-	-	221.0	250.4	-	200.0	879.6
- Provincial	-	-	130.0	-	-	-	442.1	250.4	-	200.0	1 917.6
- Total	860.3	-	-	-	-	-	-	-	-	-	-
Research and forest extension	642.0	250.3	98.1	1 791.1	637.6	716.2	1 384.5	1 813.7	853.3	1 193.0	9 579.8
- Federal	64.2	34.1	24.8	1 908.3	2 637.6	560.3	2 444.5	308.5	760.9	7 031.0	15 774.2
- Provincial	-	-	-	-	-	-	-	-	-	-	-
- Total	706.2	284.5	122.9	3 699.4	3 275.1	1 276.5	4 029.0	2 122.2	1 614.2	8 224.0	25 354.0
Other activities ^c	1 083.0	412.3	669.2	433.5	416.0	480.0	388.1	327.2	550.5	1 016.0	5 975.8
- Federal	108.3	56.2	427.0	-	-	116.7	-	62.1	54.6	371.0	1 195.9
- Provincial	-	-	-	-	-	-	-	-	-	-	-
- Total	1 191.3	468.6	1 096.2	433.5	416.0	596.6	588.1	389.2	605.0	1 387.0	7 171.5
Total activities	9 382.1	2 618.4	6 967.2	8 128.2	21 022.9	11 084.6	2 911.4	2 742.7	1 611.9	9 363.0	75 814.4
- Federal	-	-	-	-	-	-	-	-	-	-	-
- Provincial	938.2	219.5	5 098.1	6 939.8	22 363.1	11 083.5	2 694.9	2 481.9	822.2	14 492.0	67 133.2
- Total	10 320.3	2 837.9	12 065.3	15 068.0	43 385.9	22 168.1	5 606.3	5 206.6	2 434.0	23 855.0	142 947.6

^aFiscal year 1985-1986.

An hectare may be duplicated if it received more than one silviculture treatment.

The category "Other activities" includes the expenditures related to administration, communication and evaluation.

Actual costs per hectare may not be calculated as these costs in part B include indirect items.

Source: Special Compilation, Development Branch, DEVMS, Canadian Forestry Service.

I - 11. FEDERAL/PROVINCIAL FOREST AGREEMENT STATISTICS ON FOREST DEVELOPMENT BY
TENURE AND PROVINCE, 1985^a

Area/tenure	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
A. Area treated (1 000 ha)^b											
Provincial crown lands	10.4	0.2	9.7	33.5	72.7	34.5	3.2	6.0	-	31.7	201.9
Federal and Indian lands	-	-	0.2	0.2	0.2	0.2	0.5	--	--	-	1.1
Private lands	2.7	2.9	27.0	8.6	32.7	9.8	-	--	-	1.2	84.9
Tenure not applicable	-	-	-	-	-	-	-	-	-	-	-
Total	13.1	3.2	36.7	42.3	105.6	44.5	3.6	6.1	--	32.9	287.9
B. Source of expenditures by tenure (\$ 000)^c											
Provincial crown lands	7 382.1	484.1	5 775.4	15 651.3	9 359.6	2 302.2	2 183.3	875.5	7 621.0	51 634.5	
- Federal	738.2	66.0	4 338.1	6 572.7	17 651.3	10 128.6	2 694.9	2 481.9	822.2	7 621.0	53 114.9
- Provincial	-	550.1	4 338.1	12 348.1	33 302.5	19 488.2	4 997.2	4 665.3	1 697.7	15 242.0	104 749.4
- Total	8 120.3	-	-	-	-	-	-	-	-	-	-
Federal and Indian lands	-	-	-	136.4	243.8	26.2	8.2	35.2	53.8	14.0	517.6
- Federal	-	-	-	-	-	-	-	-	-	-	-
- Provincial	-	-	-	-	-	-	-	-	-	-	-
- Total	-	-	-	-	-	-	-	-	-	-	-
Private lands	2 000.0	1 008.7	6 199.9	2 216.4	4 711.8	886.7	-	6.3	-	309.0	17 338.8
- Federal	200.0	-	178.2	367.2	4 711.8	661.8	-	-	-	-	6 119.0
- Provincial	-	2 200.0	1 008.7	6 378.1	2 583.6	9 423.6	1 548.5	-	6.3	-	309.0
- Total	-	-	-	-	-	-	-	-	-	-	23 457.8
Tenure not applicable	-	1 125.6	767.3	-	416.0	812.2	600.9	499.9	682.6	1 419.0	6 323.5
- Federal	-	153.5	581.8	-	-	293.1	-	-	-	6 871.0	7 899.4
- Provincial	-	1 279.1	1 349.1	-	416.0	1 105.3	600.9	499.9	682.6	8 290.0	14 222.9
- Total	-	-	-	-	-	-	-	-	-	-	-
Total	9 382.1	2 618.4	6 967.2	8 128.2	21 022.9	11 084.6	2 911.4	2 724.7	1 611.9	9 363.0	75,814.4
- Federal	938.2	219.5	5 098.1	6 959.8	22 363.1	11 083.5	2 694.9	2 481.9	822.2	14 492.0	67 133.2
- Provincial	-	10 320.3	2 837.9	12 065.3	15 068.0	43 385.9	22 168.1	5 606.3	5 206.6	2 434.0	23 855.0
- Total	-	-	-	-	-	-	-	-	-	-	142 947.6

^aFiscal year 1985-1986.

^bAn hectare may be duplicated if it received more than one silviculture treatment.

^cActual costs per hectare may not be calculated as these costs in part B include indirect items.

Source: Special Compilation, Development Branch, DEVMS, Canadian Forestry Service.

I - 12. FARM WOODLOTS BY PROVINCE, 1951-1981

Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic prov incs	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Farm woodlots In Canada	Total farma	%
A. Area of farm woodlots (1 000 ha)															
1951	15	140	747	827	1 729	2 377	1 559	734	1 192	1 160	3 086	468	9 219	70 434	13.1
1961	8	120	552	498	1 178	1 822	1 318	603	888	866	2 357	305	6 980	69 829	10.0
1971	5	85	300	276	666	1 254	951	389	404	674	1 467	342	4 660	68 662	6.8
1976	8	75	262	227	572	1 160	833	376	415	709	1 500	302	4 367	68 427	6.4
1981	6	65	241	201	513	1 069	742	248	282	493	1 023	204	3 551	65 889	5.4
B. Number of farms reporting forest products sales^b															
1981	40	253	1 382	1 993	2 768	10 445	4 326	278	246	540	1 064	1 255	19 858	***	***
C. Value of sales (\$000)															
1981	92	363	4 726	4 332	9 513	23 975	11 957	1 080	993	2 542	4 615	14 928	64 988	***	***

a 1981 "Census Farm" is defined as a farm, ranch, or other agricultural holding with sales of agricultural products during the past 12 months of \$250 or more.

b Includes sales of Christmas trees, fuelwood, and logs, and income from stumpage leases where an agreed amount is paid for cutting timber or pulpwood from the land. It excludes the sales of maple products.

Source: Statistics Canada. Census of Agriculture, 1981, Cat. No. 96-901.

SECTION II

COMMODITY PRODUCTION AND SHIPMENTS

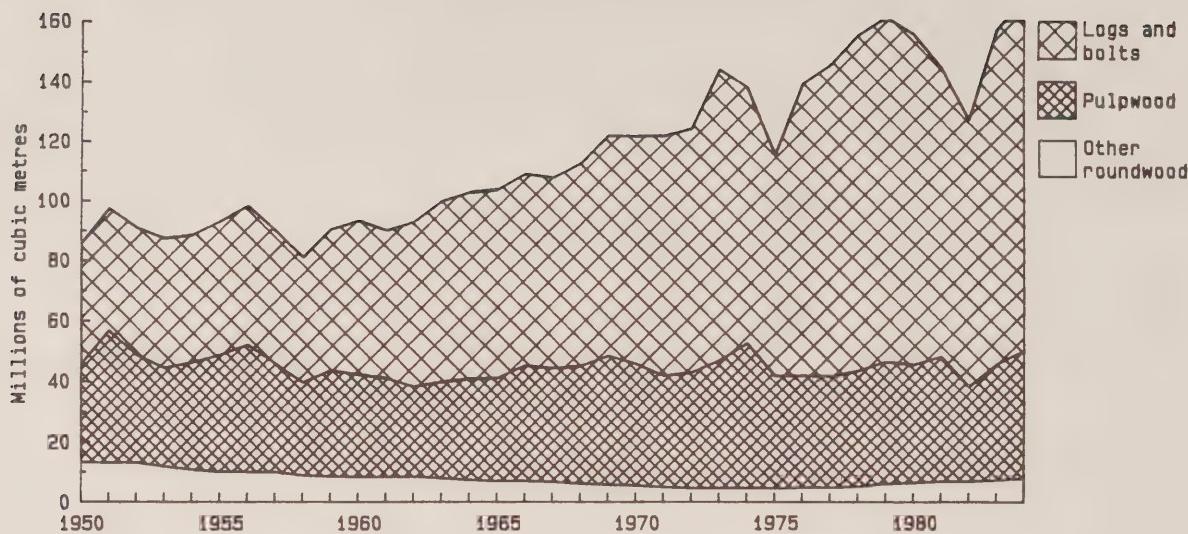
- Roundwood
- Lumber
- Wood pulp
- Newsprint
- Paper and paperboard
- Wood-based panels

II - 1. ESTIMATION OF ROUNDWOOD PRODUCTION BY CATEGORY AND SPECIES GROUP, 1950-1984

Year	Industrial roundwood			Fuel wood			Total			
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total
1 000 m ³										
1950	40 095	32 311	1 700	74 106	..	..	..	11 509	..	..
1960	51 120	33 924	1 461	86 505	..	..	..	6 751	..	..
1970	75 644	40 402	1 278	117 324	109 323	8 001	1 527	2 569	4 096	110 669
1971	79 948	36 902	1 141	117 991	109 777	8 214	1 276	2 458	3 734	109 029
1972	81 211	38 428	1 109	120 748	111 351	9 417	1 196	2 187	3 383	112 526
1973	96 886	42 378	1 079	140 343	129 688	10 655	1 165	2 297	3 462	130 853
1974	85 295	48 034	1 087	134 416	124 575	9 841	1 149	2 363	3 512	125 724
1975	75 543	37 063	891	111 497	103 437	8 060	1 211	2 554	3 765	104 648
1976	97 135	36 832	1 260	135 227	127 083	8 144	1 266	2 633	3 899	128 349
1977	103 707	36 732	1 141	141 580	132 652	8 928	1 017	2 665	3 682	133 669
1978	111 536	38 039	1 344	150 918	142 798	8 914	1 109	3 074	4 183	143 114
1979	114 433	40 242	1 789	156 464	147 661	9 590	1 281	3 225	4 506	148 155
1980	109 957	38 783	1 909	150 649	141 285	9 364	1 278	3 453	4 731	142 563
1981	96 318	41 204	1 562	139 084	130 633	8 451	1 410	4 078	5 488	132 043
1982	88 869	31 084	1 390	121 343	114 317	7 026	1 548	4 125	5 673	115 865
1983	111 269	38 090	1 365	150 724	142 293	8 431	1 609	4 588	6 197	143 902
1984	117 254	42 051	1 562	160 867	151 541	9 326	1 880	4 755	6 635	153 421
										14 081

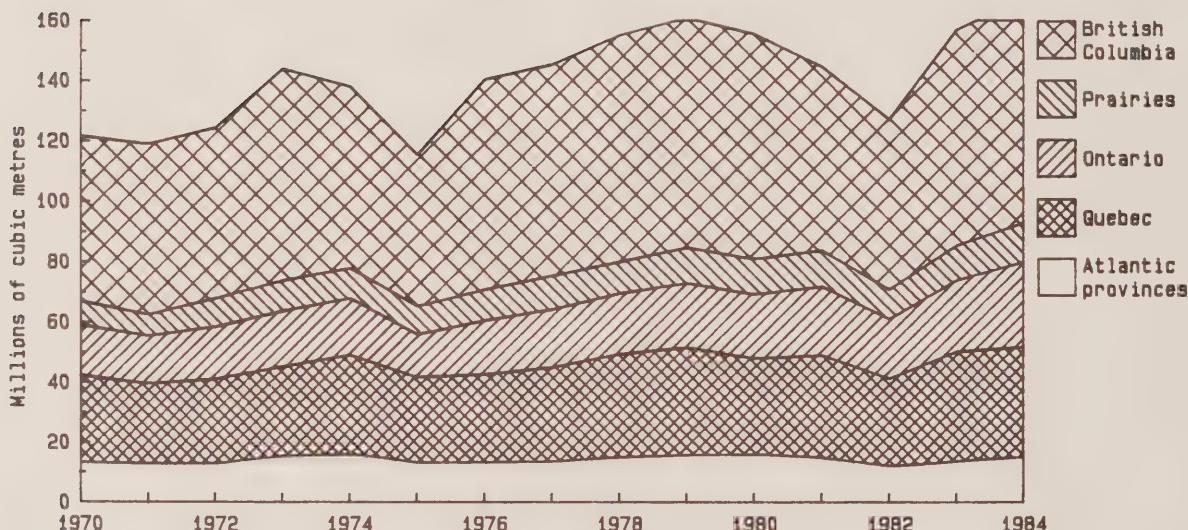
Sources: Statistics Canada Cat. No. 25-201.

ROUNDWOOD

**Figure 6.** Roundwood production in Canada, 1950-1984.

Source: Statistics Canada, Cat. No. 25-201.

ROUNDWOOD

**Figure 7.** Roundwood production by region, 1970-1984.

Source: Statistics Canada, Cat. No. 25-201.

II - 2. ESTIMATION OF ROUNDWOOD PRODUCTION BY PROVINCE, CATEGORY, AND SPECIES GROUP, 1970-1984

Year	Industrial roundwood						Fuel wood						Total			
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods		Hardwoods		Softwoods		Hardwoods		Total	Softwoods	Hardwoods	Total
					Softwoods	Hardwoods	Softwoods	Hardwoods	Softwoods	Hardwoods	Softwoods	Hardwoods				
1 000 m ³																
Newfoundland																
1970	170	2 527	4	2 701	-	112	35	147	2 813	36	2 849	34	2 324	2 327	2 324	
1971	151	2 013	4	2 168	2	165	31	156	2 290	34	2 355	2 327	2 320	2 355	2 355	
1972	148	2 071	6	2 225	2	222	3	105	2 327	28	2 355	2 320	2 320	2 355	2 355	
1973	241	2 563	7	2 811	2	808	3	108	34	142	2 915	37	2 952	2 915	2 952	
1974	184	2 874	8	3 066	3	063	3	108	37	145	3 171	40	3 211	3 171	3 211	
1975	147	2 195	6	2 348	2	345	3	79	25	104	2 424	28	2 452	2 424	2 452	
1976	207	2 011	20	2 238	2	232	6	76	31	107	2 309	37	2 345	2 309	2 345	
1977	230	1 875	8	2 115	2	110	3	62	20	82	2 172	23	2 195	2 172	2 195	
1978	261	1 909	8	2 178	2	175	3	88	22	110	2 263	25	2 288	2 263	2 288	
1979	269	1 968	17	2 254	2	248	6	202	25	227	2 450	31	2 481	2 450	2 481	
1980	207	2 189	130	2 526	2	523	3	241	28	269	2 764	31	2 795	2 764	2 795	
1981	261	1 903	8	2 172	2	169	3	356	40	396	2 525	43	2 568	2 525	2 568	
1982	147	1 736	9	1 892	1	889	3	425	62	487	2 314	65	2 379	2 314	2 379	
1983	293	1 697	5	1 995	1	989	6	379	55	434	2 368	61	2 429	2 368	2 429	
1984	183	2 053	4	2 240	2	239	1	572	77	649	2 811	78	2 889	2 811	2 889	
Prince Edward Island																
1970	68	109	10	187	186	1	34	23	57	220	24	245	220	220	245	
1971	77	66	9	152	137	15	40	20	60	177	35	212	177	177	212	
1972	67	66	5	138	134	4	31	20	51	165	24	188	165	165	188	
1973	69	62	10	141	129	12	3	28	31	131	40	172	131	131	172	
1974	83	62	8	153	148	5	6	31	37	154	36	190	154	154	190	
1975	71	45	6	122	118	4	8	37	45	126	41	167	45	45	167	
1976	68	48	6	122	116	6	8	34	42	125	40	165	42	42	165	
1977	65	37	3	105	105	-	6	28	34	111	28	139	34	34	139	
1978	71	45	6	122	122	-	6	31	37	128	31	159	31	31	159	
1979	85	48	11	144	144	-	11	68	79	155	68	223	79	79	223	
1980	91	11	193	184	9	14	71	85	198	80	278	80	80	278	278	
1981	102	59	28	189	172	17	11	133	144	183	150	335	144	144	335	
1982	68	48	9	125	116	9	17	133	150	133	142	275	150	150	275	
1983	96	51	11	158	125	13	18	138	156	143	151	294	156	156	294	
1984	84	42	-	126	121	5	72	215	287	193	220	413	193	193	413	

II - 2. ESTIMATION OF ROUNDWOOD PRODUCTION BY PROVINCE, CATEGORY, AND SPECIES GROUP, 1970-1984 (CONTINUED)

Year	Industrial roundwood						Fuel wood						Total				
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total					
	1 000 m ³																
Nova Scotia																	
1970	1 033	2 022	32	3 087	2 876	211	48	109	157	2 904	320	3 224					
1971	801	2 263	19	3 083	2 879	204	45	108	153	2 924	312	3 236					
1972	953	2 144	16	3 133	2 832	301	40	105	145	2 851	405	3 257					
1973	1 025	2 394	16	3 435	3 071	364	51	108	159	3 125	471	3 596					
1974	1 021	2 792	14	3 827	3 420	407	42	127	169	3 462	534	3 996					
1975	837	2 508	13	3 358	3 075	283	40	141	181	3 115	424	3 539					
1976	957	2 265	20	3 242	2 970	272	48	164	212	3 019	436	3 455					
1977	940	2 540	8	3 489	3 243	246	45	142	187	3 288	388	3 676					
1978	974	2 968	11	3 953	3 675	278	43	161	204	3 178	439	4 157					
1979	1 059	3 098	14	4 171	3 802	369	57	161	218	3 859	530	4 389					
1980	960	3 310	11	4 281	3 757	524	62	201	263	3 819	725	4 544					
1981	897	2 795	17	3 709	3 367	342	42	235	277	3 409	577	3 986					
1982	784	1 943	11	2 738	2 557	181	40	223	263	2 597	404	3 001					
1983	912	2 397	16	3 325	3 116	209	45	251	296	3 161	460	3 621					
1984	993	2 270	-	3 263	2 885	378	46	250	296	2 931	628	3 559					
New Brunswick																	
1970	1 871	4 712	33	6 616	5 822	794	15	184	199	5 837	978	6 815					
1971	1 778	4 913	24	6 715	5 794	921	19	171	190	5 813	1 091	6 905					
1972	1 830	5 167	50	7 047	6 121	926	25	154	179	6 146	1 080	7 225					
1973	2 418	6 258	37	8 713	7 181	1 532	20	136	156	7 200	1 668	8 868					
1974	1 926	6 626	59	8 611	6 954	1 657	23	147	170	6 977	1 804	8 781					
1975	1 755	4 913	45	6 713	5 479	1 234	40	153	193	5 519	1 387	6 906					
1976	1 798	5 395	88	7 281	6 083	1 198	48	150	198	6 131	1 348	7 479					
1977	1 897	5 550	85	7 532	6 399	1 333	31	139	170	6 430	1 272	7 702					
1978	2 265	5 947	93	8 305	7 147	1 158	34	170	204	7 181	1 328	8 509					
1979	2 322	6 088	85	8 495	7 277	1 218	34	221	255	7 311	1 439	8 750					
1980	2 345	5 714	76	8 135	7 022	1 113	34	218	252	7 056	1 331	8 387					
1981	2 282	5 165	82	7 529	6 524	1 005	37	229	266	6 561	1 234	7 795					
1982	2 061	3 956	62	6 079	5 233	846	48	193	241	5 281	1 039	6 320					
1983	2 360	4 752	65	7 177	6 168	1 009	53	212	265	6 221	1 221	7 442					
1984	2 534	5 486	89	8 109	7 164	945	50	219	269	7 214	1 164	8 378					

II - 2. ESTIMATION OF ROUNDWOOD PRODUCTION BY PROVINCE, CATEGORY, AND SPECIES GROUP, 1970-1984 (CONTINUED)

Year	Industrial roundwood						Fuel wood						Total				
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total					
							1 000 m ³										
Quebec																	
1970	8 778	17 740	251	26 769	23 272	3 497	906	1 223	2 129	24 179	4 720	28 999					
1971	9 260	15 291	260	24 811	21 365	3 446	569	1 201	1 770	21 934	4 647	26 581					
1972	10 534	15 350	271	26 155	21 933	4 222	586	1 104	1 690	22 501	5 326	27 827					
1973	11 086	16 310	254	27 650	23 049	4 601	561	1 138	1 699	23 611	5 740	29 350					
1974	12 204	18 548	275	31 027	27 459	3 568	538	1 147	1 685	27 997	4 715	32 712					
1975	11 214	15 149	232	26 595	23 650	2 945	566	1 246	1 812	24 216	4 181	28 407					
1976	13 309	13 598	311	27 218	23 990	3 228	566	1 274	1 840	24 556	4 502	29 058					
1977	16 353	12 601	297	29 251	25 655	3 596	453	1 359	1 812	26 108	4 955	31 063					
1978	18 576	13 096	396	32 068	28 571	3 497	510	1 501	2 011	29 081	4 998	34 079					
1979	19 142	14 045	425	33 612	30 322	3 290	481	1 643	2 124	30 803	4 933	35 736					
1980	16 848	12 318	453	29 620	26 505	3 115	368	1 699	2 067	26 873	4 814	31 687					
1981	16 452	14 979	595	30 026	29 167	2 859	396	1 812	2 208	29 563	4 671	34 234					
1982	15 787	10 316	793	26 896	24 522	2 374	368	1 869	2 237	24 890	4 243	29 133					
1983	20 080	12 998	810	33 888	30 881	3 007	395	2 005	2 400	31 276	5 012	36 288					
1984	18 712	14 329	944	33 985	31 242	2 743	456	2 078	2 534	31 698	4 821	36 519					
Ontario																	
1970	5 154	10 638	216	16 008	13 068	2 940	181	612	793	13 250	3 551	16 801					
1971	5 380	9 472	208	15 060	12 172	2 888	229	549	778	12 401	3 438	15 839					
1972	6 088	10 349	201	16 638	13 575	3 063	212	510	732	13 787	3 574	17 361					
1973	6 357	11 142	203	17 702	14 658	3 044	215	527	742	14 875	3 571	18 446					
1974	6 017	11 893	150	18 060	14 903	3 157	227	580	807	15 150	3 737	18 867					
1975	5 267	7 929	142	13 337	10 760	2 577	241	637	878	11 001	3 214	14 215					
1976	7 362	9 401	193	16 956	14 181	2 775	255	665	920	14 436	3 340	17 876					
1977	7 915	10 306	156	18 377	15 107	3 270	198	694	892	15 305	3 964	19 269					
1978	8 255	10 604	139	18 998	15 636	3 362	255	934	1 189	15 891	4 296	20 187					
1979	9 132	10 769	133	20 034	16 098	3 936	297	963	1 260	16 395	4 899	21 294					
1980	9 061	10 803	113	19 977	16 226	3 751	255	1 090	1 345	16 481	4 841	21 522					
1981	8 707	12 105	127	20 939	17 683	3 256	382	1 487	1 869	18 065	4 743	22 808					
1982	7 634	10 222	113	17 969	15 087	2 882	359	1 450	1 809	15 446	4 522	19 778					
1983	9 008	12 450	107	21 565	18 112	3 453	431	1 740	2 171	18 543	5 193	23 736					
1984	12 321	13 631	7	25 959	21 489	4 470	360	1 811	2 171	21 849	6 281	28 130					

II - 2. ESTIMATION OF ROUNDWOOD PRODUCTION BY PROVINCE, CATEGORY, AND SPECIES GROUP, 1970-1984 (CONTINUED)

Year	Logs and bolts	Pulpwood	Industrial roundwood			Fuel wood			Total		
			Other roundwood	Total	Softwoods	Hardwoods	Softwoods	Hardwoods	Total	Softwoods	Hardwoods
1 000 m ³											
Manitoba											
1970	314	664	91	1 075	929	146	100	84	184	1 029	230
1971	405	873	92	1 370	1 233	137	111	74	185	1 344	212
1972	581	954	115	1 654	1 481	173	108	74	182	1 589	246
1973	691	886	93	1 675	1 502	173	93	59	152	1 596	232
1974	510	1 321	105	1 936	1 816	120	91	74	165	1 907	194
1975	504	1 274	88	1 866	1 753	113	85	71	156	1 838	184
1976	589	878	105	1 572	1 487	85	85	85	170	1 572	170
1977	603	948	91	1 642	1 563	79	57	85	142	1 620	164
1978	640	937	93	1 670	1 563	107	45	88	133	1 608	195
1979	654	1 085	59	1 798	1 653	145	37	68	105	1 690	213
1980	688	1 458	82	2 228	2 106	122	25	82	107	2 131	204
1981	543	1 104	54	1 701	1 608	93	25	77	102	1 633	170
1982	527	790	57	1 374	1 283	91	28	96	124	1 311	187
1983	514	840	51	1 405	1 315	90	26	89	115	1 341	179
1984	333	1 202	47	1 582	1 486	96	116	-	116	1 602	96
Saskatchewan											
1970	608	1 253	259	2 120	1 910	210	68	188	256	1 977	398
1971	597	1 231	212	2 040	1 802	238	65	187	252	1 867	425
1972	976	1 308	171	2 455	2 144	311	48	136	184	2 194	447
1973	944	1 356	174	2 474	2 188	286	54	190	244	2 242	477
1974	710	1 687	170	2 567	2 276	291	51	159	210	2 327	450
1975	713	1 305	74	2 092	1 790	302	59	162	221	1 849	464
1976	1 127	1 345	167	2 639	2 342	297	71	156	227	2 413	453
1977	1 897	722	156	2 775	2 350	425	42	142	184	2 932	567
1978	1 614	974	119	2 707	2 367	340	46	110	156	2 413	450
1979	1 778	1 549	127	3 454	3 083	371	77	48	125	3 160	419
1980	1 520	1 569	122	3 211	2 849	362	79	40	119	2 928	402
1981	1 662	1 605	161	3 428	2 918	510	85	42	127	3 003	552
1982	1 382	898	122	2 402	2 102	300	79	45	124	2 181	345
1983	960	1 396	127	2 483	2 275	208	82	47	129	2 357	255
1984	1 145	1 323	125	2 436	2 157	157	63	63	133	2 506	220

II - 2. ESTIMATION OF ROUNDWOOD PRODUCTION BY PROVINCE, CATEGORY, AND SPECIES GROUP, 1970-1984 (CONCLUDED)

Year	Industrial roundwood			Fuelwood			Total			
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total
	1 000 m ³									
Alberta										
1970	3 186	690	115	3 991	3 937	52	40	112	152	3 978
1971	3 101	779	99	3 979	3 910	69	42	117	159	3 952
1972	3 639	1 017	147	4 803	4 695	108	31	59	90	4 726
1973	3 956	1 402	134	5 492	5 430	62	31	76	107	5 460
1974	2 560	2 229	176	4 965	4 894	71	34	59	93	4 928
1975	2 944	1 745	144	4 833	4 751	82	51	79	130	4 802
1976	3 341	1 892	272	5 505	5 434	71	51	71	122	5 485
1977	3 893	2 152	212	6 257	6 218	39	59	54	113	6 277
1978	3 817	1 558	249	5 624	5 581	43	45	57	102	5 626
1979	3 945	1 592	606	6 143	6 115	28	37	28	65	6 152
1980	3 925	1 331	609	5 865	5 757	108	45	23	68	5 802
1981	4 647	1 489	399	6 535	6 402	133	28	23	51	6 430
1982	4 257	1 175	147	5 581	5 462	119	79	54	133	5 541
1983	5 666	1 529	23	7 218	7 060	158	75	51	126	7 155
1984	6 557	1 715	86	8 358	7 827	551	57	42	99	7 884
										573
British Columbia^a										
1970	54 409	..	318	54 727	54 399	327	..	..	..	54 399
1971	56 364	..	186	56 550	56 257	293	..	..	..	56 257
1972	56 338	..	114	56 452	56 146	306	..	..	..	56 146
1973	69 998	..	139	70 137	69 560	577	..	..	..	69 560
1974	59 975	..	111	60 086	59 525	561	..	..	..	59 525
1975	49 942	..	136	50 078	49 554	516	..	..	..	49 562
1976	69 424	..	96	69 524	69 313	207	..	..	..	69 314
1977	69 823	..	147	69 970	69 834	156	..	..	..	69 834
1978	74 951	..	213	75 164	75 037	127	..	..	..	75 037
1979	75 892	..	303	76 194	75 968	227	..	..	..	75 968
1980	74 247	..	407	74 654	74 396	288	..	..	..	74 396
1981	60 700	..	80	60 780	60 547	235	..	..	..	60 547
1982	56 178	..	53	56 231	56 010	221	..	..	..	56 010
1983	71 320	..	123	71 443	71 162	281	..	..	..	71 162
1984	74 337	..	219	74 556	74 556	.. ^b	..	..	..	74 556

^aPulpwood included in logs and bolts and fuelwood included in other roundwood; see also table II-5 for more details.
^bIncluded with softwoods.

II - 3. SHIPMENTS OF ROUNDWOOD BY PROVINCE, 1970-1984

Year	Nova Scotia	New Brunswick	Quebec	Ontario	British Columbia	Other provinces	Canada
A. Quantity (1 000 m³)							
1970	1 899	7 337	24 640	14 684	62 214	5 782	116 556
1971	1 941	7 429	22 290	13 672	62 738	4 983	113 053
1972	2 089	7 002	22 599	15 704	63 477	5 946	116 817
1973	2 553	9 005	21 868	15 731	72 470	7 128	128 755
1974	2 892	9 124	23 400	16 438	63 984	8 523	124 361
1975	2 236	7 094	21 451	11 583	48 734	7 400	98 498
1976	2 122	8 129	20 044	12 983	67 395	7 187	117 860
1977	2 363	7 717	19 850	14 802	67 477	6 386	118 595
1978	2 525	8 464	19 783	15 877	70 665	7 371	124 685
1979	2 834	8 928	22 139	16 248	50 839	7 992	108 980
1980	2 908	8 525	19 443	16 743	53 130	6 978	107 727
1981	2 929	8 797	21 967	16 855	45 482	8 023	104 053
1982	2 767	5 984	17 506	15 828	36 541	7 761	86 387
1983	2 371	7 423	18 025	16 928	47 700	6 257	98 704
1984	3 751	8 914	17 889	18 290	46 357	7 247	102 448
B. Value (\$000 000)							
1970	17	73	307	184	713	61	1 356
1971	19	81	280	178	754	54	1 366
1972	21	79	290	205	879	70	1 545
1973	28	113	319	222	1 263	94	2 038
1974	39	131	394	281	1 214	132	2 191
1975	36	114	433	243	950	137	1 915
1976	36	143	448	307	1 475	149	2 558
1977	46	144	480	373	1 589	136	2 769
1978	50	165	511	428	1 891	163	3 207
1979	56	188	586	483	1 676	187	3 175
1980	61	200	553	527	1 801	187	3 329
1981	67	222	683	587	1 479	243	3 280
1982	56	165	599	540	1 302	241	2 902
1983	64	217	636	621	1 726	215	3 485
1984	90	271	661	693	1 683	236	3 634

Source: Statistics Canada Cat. No. 25-201.

II - 4. SHIPMENTS OF ROUNDWOOD BY CATEGORY AND SPECIES GROUP, 1970-1984

	Logs and bolts		Pulpwood		Other roundwood	Total roundwood	Wood chips			
	Softwoods	Hardwoods	Softwoods	Hardwoods						
1 000 m ³										
A. Quantity										
1970	69 728	1 771	40 653	4 124	291	116 567	69			
1971	71 136	1 692	36 050	3 895	281	113 053	22			
1972	73 267	1 849	37 809	3 563	302	116 789	51			
1973	82 952	1 896	39 003	4 607	297	128 755	37			
1974	73 834	2 358	42 417	5 348	405	124 362	90			
1975	58 417	1 414	36 053	2 198	422	98 504	124			
1976	78 273	1 515	34 525	3 167	379	117 860	275			
1977	80 470	1 717	32 432	3 635	341	118 595	318			
1978	84 687	1 573	34 686	3 457	283	124 685	133			
1979	66 675	1 691	36 303	3 780	532	108 980	134			
1980	68 508	1 598	33 705	3 383	532	107 727	182			
1981	60 495	1 401	37 359	4 286	512	104 053	217			
1982	48 729	1 332	32 717	3 492	117	86 387	482			
1983	62 891	1 402	29 906	4 435	71	98 704	643			
1984	63 067	2 271	30 743	6 284	84	102 449	516			
B. Value (\$000 000)										
1970	780	23	501	42	10	1 356	2			
1971	834	23	458	41	10	1 366	--			
1972	980	27	491	37	10	1 445	1			
1973	1 388	31	555	56	8	2 038	1			
1974	1 346	42	719	72	12	2 191	3			
1975	1 094	31	737	38	14	1 915	4			
1976	1 662	34	789	58	14	2 558	14			
1977	1 832	41	811	72	13	2 769	19			
1978	2 187	42	891	74	14	3 207	7			
1979	2 024	48	986	91	26	3 175	7			
1980	2 179	50	991	84	25	3 329	11			
1981	1 888	45	1 204	123	20	3 280	11			
1982	1 645	41	1 100	110	6	2 902	20			
1983	2 185	50	1 095	144	6	3 481	32			
1984	2 199	70	1 164	194	7	3 634	28			

Source: Statistics Canada Cat. No. 25-201.

II - 5. ROUNDWOOD PRODUCTION ON FEDERAL LANDS BY HOLDING AND CATEGORY, 1985-1986

Holding/ roundwood category	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon	N.W.T.	Total
1 000 m ³													
A. Yukon and N.W.T.	***	***	***	***	***	***	***	***	***	104	71	175	
Logs and bolts	***	***	***	***	***	***	***	***	29	38	67	-	
Pulpwood	***	***	***	***	***	***	***	***	-	-	-	106	
Fuel wood	***	***	***	***	***	***	***	***	74	32	-	215	
Other roundwood	***	***	***	***	***	***	***	***	2	-	2	223	
B. Indian reserves	-	-	1	40	156	153	11	24	2	80	***	***	467
Logs and bolts	-	-	1	135	49	2	3	-	63	***	***	253	
Pulpwood	-	-	39	18	53	-	1	-	17	***	***	128	
Fuel wood	-	1	-	3	51	9	20	2	-	***	***	86	
Other roundwood	-	-	-	1	-	-	-	-	-	***	***	1	
C. National defence	-	-	163	42	35	-	-	-	171	***	***	412	
Logs and bolts	-	-	40	30	12	-	-	-	171	***	***	254	
Pulpwood	-	-	61	3	14	-	-	-	-	***	***	78	
Fuel wood	-	-	9	9	8	-	-	-	-	***	***	26	
Other roundwood	-	-	54	-	1	-	-	-	-	***	***	55	
D. Forest experiment stations	-	-	8	-	14	-	-	-	-	-	-	22	
Logs and bolts	-	-	3	-	7	-	-	-	-	-	-	10	
Pulpwood	-	-	2	-	5	-	-	-	-	-	-	7	
Fuel wood	-	-	3	-	2	-	-	-	-	-	-	5	
Other roundwood	-	-	-	-	-	-	-	-	-	-	-	-	
E. Other	-	-	-	4	1	2	-	202	46	-	-	255	
Logs and bolts	-	-	-	-	-	-	-	202	46	-	-	248	
Pulpwood	-	-	-	-	-	-	-	-	-	-	-	2	
Fuel wood	-	-	-	-	1	-	-	-	-	-	-	1	
Other roundwood	-	-	-	4	-	-	-	-	-	-	-	4	
F. Total	-	1	211	202	203	13	24	204	297	104	71	1 332	
Logs and bolts	-	-	44	167	68	2	3	202	280	29	38	832	
Pulpwood	-	-	102	21	72	2	1	-	17	-	-	215	
Fuel wood	-	1	12	12	62	9	20	2	-	74	32	62	
Other roundwood	-	-	54	5	1	-	-	-	-	2	-	2	

Source: Timber Harvest on Federal Lands 1981-1986. Canadian Forestry Service.

II - 6. PULPWOOD PRODUCTION FOR DOMESTIC CONSUMPTION AND RECEIPTS OF WOOD RESIDUES BY DOMESTIC MILLS, 1970-1986

Year	Pulpwood production for domestic consumption				Receipts of wood residues by domestic mills			
	Receipts		Imports of pulpwood by mills in B.C. ^b		Pulpwood production for domestic consumption		Receipts of wood residues by domestic mills	
	at mill of purchased pulpwood (except B.C.)	of pulpwood by mills in B.C. ^b	Total	(minus)	Wood chips	Veneer cores, slabs and edgings, sawdust, shaving, etc.	wood residues	Total
1 000 m ³								
1970	26 469	14 266	9 442	50 177	222	49 955	16 984	960
1971	22 590	12 714	9 554	44 858	262	44 596	19 232	1 249
1972	24 092	11 935	9 128	45 155	389	44 766	21 495	1 875
1973	30 933	12 102	9 332	52 367	304	52 063	24 636	2 911
1974	35 479	14 684	9 843	60 005	626	59 379	28 407	2 569
1975	29 137	11 292	6 634	47 063	492	46 571	21 608	1 882
1976	24 157	11 415	7 673	43 245	503	42 742	31 467	2 552
1977	27 201	11 107	6 489	44 797	613	44 184	31 180	2 410
1978	27 930	12 092	6 037	46 059	618	45 441	33 489	2 766
1979	31 012	12 691	5 854	49 557	824	48 732	36 352	2 923
1980	28 758	15 229	6 478	50 466	614	49 852	37 206	2 768
1981	29 784	16 811	6 620	53 215	527	52 688	35 357	2 762
1982	21 906	13 875	6 087	41 867	529	41 338	30 703	2 643
1983	23 397	14 263	6 058	43 718	560	43 158	36 251	3 476
1984	26 002	16 441	5 756	48 199	609	47 591	36 964	4 157
1985	24 449	15 417	5 278	45 145	526	44 619	41 026	4 154
1986	23 966	16 276	5 569	45 812	329	45 483	42 261	4 403

^aLimit production means the volume produced from an owner's freehold lands or leased lands.

^bData on production of pulpwood as such are not available for British Columbia. The figures shown represent receipts of pulpwood.

Source: Statistics Canada Cat. No. 25-001.

II - 7. LUMBER PRODUCTION BY PROVINCE AND SPECIES GROUP, 1950-1986

Year	Species	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon & N.W.T.	Canada
1 000 m ³													
1950	Softwoods	104	27	605	636	2 186	1 551	125	142	772	8 254	8	14 410
	Hardwoods	3	1	58	69	479	384	13	14	9	25	-	1 055
Total		107	27	664	705	2 665	1 935	138	156	781	8 280	8	15 465
1960	Softwoods	67	20	525	581	2 119	1 098	65	145	718	12 511	14	17 862
	Hardwoods	1	--	23	75	514	386	16	14	8	7	-	1 045
Total		68	20	548	656	2 653	1 484	82	159	726	12 518	14	18 907
1970	Softwoods	81	28	464	564	3 321	1 494	83	248	1 092	18 056	17	25 449
	Hardwoods	-	--	12	96	464	508	40	-	8	12	-	1 139
Total		81	28	476	660	3 785	2 002	122	248	1 100	18 067	17	26 588
1971	Softwoods	74	29	361	603	3 560	1 658	131	286	1 171	21 081	11	28 965
	Hardwoods	1	3	12	75	491	429	33	-	9	8	1	1 062
Total		75	32	372	677	4 051	2 087	164	286	1 180	21 090	12	30 027
1972	Softwoods	73	27	431	660	4 368	1 780	187	394	1 373	22 423	7	31 724
	Hardwoods	1	--	12	76	607	499	50	-	22	9	1	1 276
Total		75	27	442	736	4 975	2 279	237	394	1 395	22 431	8	33 000
1973	Softwoods	117	34	459	604	4 859	2 116	155	383	1 863	24 581	7	35 179
	Hardwoods	2	-	12	98	703	555	30	11	38	15	-	1 465
Total		119	34	471	702	5 563	2 671	185	394	1 901	24 597	7	36 644
1974	Softwoods	85	21	453	639	4 575	2 241	245	285	1 517	20 613	6	30 680
	Hardwoods	2	7	15	77	701	590	29	4	4	15	-	1 444
Total		87	28	468	716	5 276	2 831	274	289	1 521	20 628	6	32 124
1975	Softwoods	68	28	374	609	4 309	1 917	164	263	1 003	17 566	10	26 312
	Hardwoods	1	-	13	71	479	396	29	-	3	-	-	993
Total		70	28	387	680	4 787	2 313	193	264	1 003	17 569	10	27 305
1976	Softwoods	100	28	429	686	5 170	2 277	207	454	1 201	25 075	11	35 638
	Hardwoods	2	-	14	83	562	497	20	7	-	-	-	1 184
Total		102	28	443	769	5 731	2 773	228	460	1 201	25 075	11	36 822
1977	Softwoods	111	28	423	695	6 051	2 731	211	499	1 455	28 377	14	40 594
	Hardwoods	2	-	12	61	442	459	22	15	22	1	-	1 038
Total		113	28	435	756	6 493	3 191	233	514	1 477	28 378	14	41 633

II - 7. LUMBER PRODUCTION BY PROVINCE AND SPECIES GROUP, 1950-1986 (CONCLUDED)

Year	Species	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon & N.W.T.	Canada
1 000 m ³													
1978	Softwoods	112	30	437	879	6 948	3 267	220	479	1 621	29 569	14	43 576
	Hardwoods	1	8	11	56	624	561	30	9	9	2	-	1 311
Total	Softwoods	113	38	448	935	7 572	3 828	250	488	1 631	29 570	14	44 887
1979	Softwoods	116	33	470	991	7 655	3 645	226	438	1 607	30 355	28	45 564
	Hardwoods	2	7	22	68	464	505	43	6	16	2	-	1 136
Total	Softwoods	118	40	492	1 059	8 119	4 150	270	444	1 622	30 357	28	46 700
1980	Softwoods	99	35	427	1 146	7 361	3 868	247	394	1 704	28 202	40	43 524
	Hardwoods	2	2	18	78	698	599	37	21	12	5	-	1 472
Total	Softwoods	101	38	444	1 224	8 059	4 468	284	415	1 716	28 207	40	44 995
1981	Softwoods	77	35	379	865	7 050	3 717	191	440	1 926	24 544	32	39 237
	Hardwoods	2	7	24	59	354	471	31	11	19	3	-	980
Total	Softwoods	79	42	403	924	7 384	4 181	222	452	1 945	24 547	32	40 217
1982	Softwoods	68	24	338	660	6 100	3 328	222	450	1 746	23 406	22	36 364
	Hardwoods	1	5	22	49	417	536	31	8	20	-	-	1 088
Total	Softwoods	70	28	361	708	6 517	3 864	252	458	1 767	23 406	22	37 452
1983	Softwoods	86	38	405	1 124	8 515	3 606	172	457	2 447	30 774	-	47 624
	Hardwoods	2	-	18	66	326	511	40	-	77	4	-	1 043
Total	Softwoods	88	38	423	1 190	8 841	4 117	212	457	2 524	30 778	-	48 666
1984	Softwoods	88	38	445	1 012	8 383	3 972	105	520	2 287	30 859	-	47 708
	Hardwoods	1	-	15	55	469	586	33	-	119	3	-	1 281
Total	Softwoods	89	38	460	1 066	8 852	4 559	138	520	2 405	30 862	-	48 989
1985 ^a	Softwoods	x	x	439	1 332	9 416	4 855	138	516	2 771	33 042	-	52 513
	Hardwoods	x	x	20	92	474	457	51	-	257	2	-	1 348
Total	Softwoods	x	x	459	1 424	9 890	5 512	189	516	3 028	33 044	-	53 861
1986 ^a	Softwoods	x	x	468	1 313	10 262	4 730	168	416	2 985	31 466	-	51 808
	Hardwoods	x	x	12	64	476	648	23	-	171	2	-	1 396
Total	Softwoods	x	x	480	1 376	10 758	5 578	191	416	3 156	31 468	-	53 203

^a1950-1984 data from the annual census of manufactures, 1985-1986 data from the monthly survey.

Source: Statistics Canada Cat. No. 35-204, 35-003, and 35-002.

LUMBER

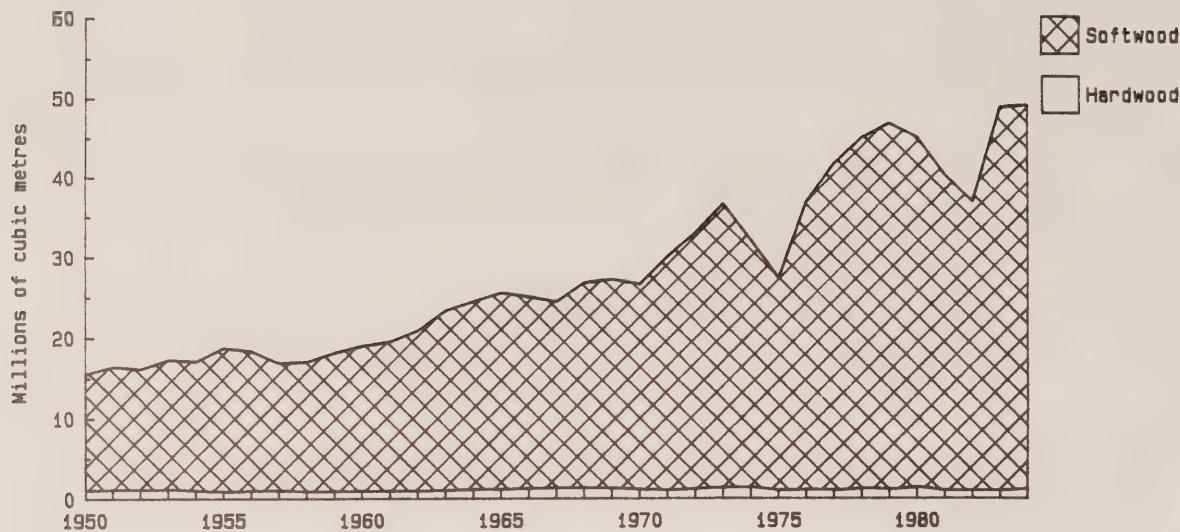


Figure 8. Lumber production in Canada, 1950-1984.
Source: Statistics Canada, Cat. No. 35-204.

LUMBER

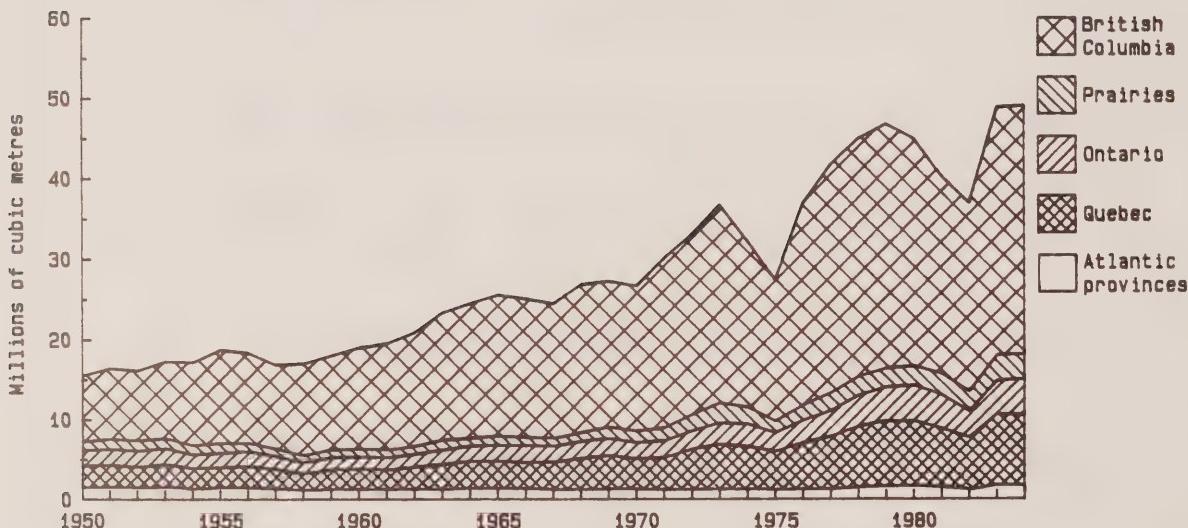


Figure 9. Lumber production by region, 1950-1984.
Source: Statistics Canada, Cat. No. 35-204.

II - 8. SHIPMENTS OF HARDWOOD LUMBER BY SPECIES GROUP, 1970-1984

Year	Maple	Yellow birch	White birch	Poplar, aspen, cottonwood	Elm	Basswood	Beech	Ash	Oak	Other ^a	Total softwoods and hardwoods	
											Total softwoods	Total hardwoods
A. Quantity (1 000 m³)												
1970	391	270	33	27	41	37	12	12	229	1	059	25 857
1971	403	283	23	46	33	33	—	9	14	210	1 021	29 810
1972	508	305	29	86	40	37	24	—	17	151	1 197	33 167
1973	519	315	45	148	32	47	31	12	21	189	1 359	34 691
1974	505	246	20	108	29	37	39	15	21	111	1 131	30 999
1975	364	219	9	39	18	24	16	9	12	93	803	25 917
1976	353	225	7	39	16	27	15	9	14	105	810	33 693
1977	325	208	20	41	7	25	14	10	18	111	779	39 014
1978	343	231	19	48	9	32	17	10	23	111	843	41 980
1979	407	197	26	65	9	32	19	13	39	132	939	42 948
1980	331	172	29	67	7	28	19	13	40	127	833	40 348
1981	307	159	21	54	6	30	13	9	37	106	742	39 180
1982	199	97	18	87	2	23	12	7	40	50	535	35 098
1983	211	149	24	162	1	21	13	6	39	43	668	44 772
1984	228	138	36	148	1	19	13	6	52	83	724	46 802
B. Value (\$000 000)												
1970	23	15	1	1	2	2	—	—	1	1	56	925
1971	26	16	1	1	2	2	—	—	1	7	57	1 159
1972	39	22	2	3	3	2	1	—	1	8	81	1 632
1973	43	26	3	7	2	3	2	1	2	11	100	2 227
1974	43	22	1	5	2	3	3	1	2	9	92	1 878
1975	29	19	1	2	1	2	1	1	1	8	65	1 473
1976	30	21	1	2	2	3	1	1	2	8	69	2 203
1977	30	20	2	3	1	3	1	1	2	9	71	2 960
1978	36	25	2	3	1	4	1	1	3	10	87	3 863
1979	51	26	3	6	1	4	2	2	6	16	117	4 667
1980	43	24	4	6	1	4	2	2	9	15	110	4 005
1981	42	22	3	5	1	4	1	1	8	15	102	3 623
1982	26	14	2	9	1	4	1	1	8	6	72	3 104
1983	32	25	3	14	2	3	2	1	8	5	94	4 598
1984	36	24	5	17	—	3	2	1	10	16	115	4 736

^aIncluding red alder in some cases.

II - 9. SHIPMENTS OF SOFTWOOD LUMBER BY SPECIES GROUP, 1970-1984

40

Year	Spruce	Hemlock	Douglas-fir	Cedar	Jack and lodgepole pines	White pine	Ponderosa red pine	Balsam fir	Yellow cypress	Other	Total softwoods and hardwoods
	A. Quantity (1 000 m ³)										
1970	10 482	4 687	3 943	1 957	1 774	493	96	481	45	841	24 799
1971	12 978	5 468	4 092	2 318	2 185	568	53	517	19	591	28 789
1972	15 758	5 551	4 034	2 331	2 571	624	68	562	55	416	31 970
1973	16 518	6 072	3 707	2 376	3 028	620	83	416	94	417	33 331
1974	15 520	5 135	3 107	2 131	2 761	553	124	315	76	147	29 869
1975	13 701	3 549	2 510	1 945	2 409	423	77	263	114	122	25 113
1976	17 370	5 625	3 214	2 592	2 991	504	101	204	142	142	32 885
1977	20 700	6 870	3 187	2 535	3 737	541	82	304	92	187	38 255
1978	21 857	7 093	3 281	2 709	4 818	688	99	337	148	107	39 014
1979	22 812	6 371	3 535	2 564	5 168	642	86	581	119	131	41 980
1980	21 654	6 034	2 912	2 594	4 743	570	96	635	104	164	39 515
1981	21 581	5 091	2 580	2 722	4 759	572	129	779	142	83	38 438
1982	19 739	4 402	2 237	2 470	3 470	916	535	283	772	140	67
1983	26 377	5 360	2 696	2 976	4 485	631	79	973	181	345	34 563
1984	31 058	5 370	2 807	3 078	2 185	649	149	560	166	55	35 098
											46 802
Year	B. Value (\$000 000)										
	1970	333	168	146	92	54	26	4	17	3	27
1971	463	206	173	110	77	30	3	19	2	19	870
1972	735	259	205	142	120	38	4	26	-	22	1 102
1973	985	402	247	207	168	49	6	27	15	21	1 632
1974	823	335	203	191	134	48	8	20	15	8	2 127
1975	694	216	150	158	115	36	5	16	9	9	2 227
1976	1 007	385	219	272	162	45	9	13	13	9	1 878
1977	1 381	552	263	332	243	54	7	23	18	16	2 900
1978	1 810	663	319	436	394	81	10	30	24	9	3 863
1979	2 123	777	437	542	468	93	11	55	32	12	4 667
1980	1 831	742	322	420	383	83	11	58	28	16	3 894
1981	1 749	532	264	412	359	84	15	67	31	8	4 005
1982	1 475	478	207	388	281	77	26	71	25	6	3 521
1983	2 360	628	270	577	401	96	11	89	38	34	3 623
1984	2 735	589	286	588	199	109	20	55	34	5	4 504
											4 620

II - 10. SHIPMENTS OF SOFTWOOD LUMBER^a BY PROVINCE, 1970-1984

Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
A. Quantity (1 000 m³)											
1970	46 ^a	4	398	594	3 089	1 244	61 ^a	222 ^a	1 149 ^a	18 009	24 799
1971	36 ^a	3	384	652	3 852	1 445	116 ^a	309 ^a	1 290 ^a	20 693	28 789
1972	55 ^a	3	384	718	4 563	1 558	153 ^a	387 ^a	1 444 ^a	22 770	31 970
1973	45 ^a	2	368	628	4 936	1 836	148	456 ^a	1 455 ^a	23 514	33 331
1974	x	-	304	593	4 516	1 794	227 ^a	321 ^a	1 199 ^a	20 920	29 869
1975	17	-	289	592	4 333	1 502	146 ^a	354 ^a	1 017 ^a	16 874	25 113
1976	9	-	281	686	5 111	1 665	155 ^a	347 ^a	1 207 ^a	23 437	32 885
1977	5	-	300	683	6 208	2 062	175 ^a	469 ^a	1 435 ^a	26 920 ^a	38 235
1978	x	-	334	825	7 088	2 464	191 ^a	472 ^a	1 466 ^a	28 301 ^a	41 137
1979	21	x	323	978	7 315	2 869	210	450 ^a	1 547 ^a	28 283 ^a	42 009
1980	12	x	260	928	7 013	2 833	198	344 ^a	1 519	26 399 ^a	39 515
1981	-	x	253	888	6 947	3 058	215 ^a	423 ^a	1 783	24 867 ^a	38 438
1982	x	x	229	584	5 956	2 584	164 ^a	387 ^a	1 701	22 954 ^a	34 563
1983	x	x	258	887	7 705	3 141	153 ^a	442	2 348	29 167	44 104
1984	x	x	273	968	8 117	3 553	135 ^a	481	2 683	29 859	46 078
B. Value (\$'000 000)											
1970	2 ^a	-	16	23	107	48	2 ^a	7 ^a	34 ^a	632	870
1971	2 ^a	-	16	27	138	59	4 ^a	12 ^a	43 ^a	801	1 102
1972	2 ^a	-	19	35	209	80	7 ^a	19 ^a	66 ^a	1 115	1 551
1973	3 ^a	-	24	44	276	121	9	24 ^a	84 ^a	1 545	2 127
1974	x	-	22	41	250	111	12	15 ^a	57 ^a	1 277	1 785
1975	1	-	22	39	232	91	10 ^a	17 ^a	49 ^a	949	1 408
1976	1	-	23	46	302	110	10 ^a	19 ^a	68 ^a	1 556	2 134
1977	1	-	26	49	397	155	12 ^a	33 ^a	95 ^a	2 121 ^a	2 889
1978	x	-	32	69	543	232	16 ^a	39 ^a	121 ^a	2 724 ^a	3 776
1979	2	x	36	93	645	287	22	39 ^a	136 ^a	3 289 ^a	4 551
1980	1	x	32	92	589	263	17	26 ^a	112	2 762 ^a	3 894
1981	-	x	31	84	571	289	18 ^a	32 ^a	131	2 364 ^a	3 521
1982	x	x	27	53	470	240	14 ^a	27 ^a	113	2 089 ^a	3 034
1983	x	x	34	88	702	329	16 ^a	40	201	3 092	4 504
1984	x	x	39	95	778	373	15 ^a	42	221	3 057	4 620

Where softwood lumber figures are not available, the total figure for softwood and hardwood is indicated.

Source: Statistics Canada Cat. No. 35-204.

II - 11. SHIPMENTS OF LUMBER FROM PROVINCE OF ORIGIN
TO POINT OF DESTINATION^a, 1980-1986

Point of destination/ year	Province of origin					
	Quebec	Ontario	Alberta	British Columbia	Other provinces	Canada
1 000 m ³						
A. Canada						
1980	4 671	1 988	860	6 982	914	15 415
1981	4 282	1 851	1 025	7 799	934	15 891
1982	3 228	1 541	1 011	6 645	847	13 272
1983	4 277	1 977	955	8 103	1 052	16 364
1984	4 726	1 994	2 731	8 837	1 048	19 336
1985	5 255	2 218	2 779	10 149	1 244	21 645
1986	5 786	2 356	2 985	9 600	1 346	22 073
B. United States						
1980	1 655	1 439	762	14 697	495	19 048
1981	2 010	1 622	742	12 215	464	17 053
1982	2 123	x	763	12 149	1 677 ^c	16 712
1983	2 720	x	1 034	16 781	2 108 ^c	22 643
1984	3 008	1 852	22	17 381	639	22 902
1985	3 149	x	257	18 486	2 795 ^c	24 687
1986	3 225	x	171	17 370	2 685 ^c	23 451
C. Other countries						
1980	534	9	-	5 034	215	5 792
1981	402	25	-	4 155	216	4 798
1982	417	x	-	4 377	231	5 025
1983	345	x	-	4 354	139	4 838
1984	338	22	-	4 040	161	4 561
1985	116	x	-	3 810	78	4 004
1986	176	x	-	3 822	155	4 153
D. Estimated shipments and adjustments ^b						
1980	692	633	-	914	326	2 565
1981	627	667	-	772	387	2 453
1982	1 052	1 064	-	1 152	258	3 526
1983	1 168	739	-	970	407	3 284
1984	745	1 044	-	607	491	2 887
1985	1 284	1 028	-	777	623	3 712
1986	1 402	938	-	675	373	3 388
E. Total shipments						
1980	7 551	4 071	1 622	27 628	1 948	42 820
1981	7 321	4 166	1 768	24 941	1 998	40 194
1982	6 821	3 945 ^c	1 774	24 323	1 672	38 535
1983	8 510	4 303 ^c	1 989	30 208	2 119	47 129
1984	8 817	4 913	2 753	30 864	2 339	49 686
1985	9 805	5 387 ^c	3 036	33 221	2 599	54 048
1986	10 590	5 367	3 156	31 467	2 485	53 065

^aCensus of manufactures monthly survey.

^bSawmills in Nova Scotia producing less than 2 360 m³, sawmills in New Brunswick, Quebec, Ontario, and Manitoba producing less than 4 720 m³ per year, and sawmills in British Columbia producing less than 7 080 m³ per year are excluded from this survey. In Saskatchewan, only the Saskatchewan Timber Board and the few relatively large independent mills are asked to report; Alberta data are produced by Alberta. All other mills are estimated. The total shipments are free of duplication.

^cIncluding confidential figures for Ontario.

II - 12. WOOD PULP PRODUCTION BY CATEGORY, 1950-1986

Year	Dissolving and special alpha, sulphite, and sulphate	Chemical				Mechanical				Screenings chemical and mechanical		Pulp other than wood pulp	Total
		Sulphite		Sulphate		Semi- chemical		Groundwood		Defibrated	Exploded		
		Bleached	Unbleached	Bleached	Unbleached	Unbleached	Semi-bleached	Groundwood	and exploded				
1950	305	386	1 315	408	• ^a	548	••	4 455		96	174	7 688	
1960	356	519	1 559	1 062	257	895	••	5 335	143	66	205	10 398	
1970	411	683	1 871	3 660	1 084	1 341	296	6 940	259	64	-	16 610	
1971	388	587	1 706	3 853	1 150	1 467	301	6 718	307	65	-	16 543	
1972	370	526	1 711	4 391	1 127	1 639	337	6 967	330	55	-	17 453	
1973	293	507	1 750	5 049	1 097	1 922	349	7 196	345	55	-	18 564	
1974	333	734	1 865	5 409	1 097	1 942	328	7 589	320	62	-	19 679	
1975	226	516	1 443	4 219	863	1 314	233	6 007	263	28	-	15 113	
1976	222	609	1 648	5 265	1 037	1 560	269	7 036	259	41	-	17 946	
1977	230	636	1 621	5 300	1 039	1 574	263	7 226	243	34	-	18 168	
1978	341	516	1 787	5 871	1 054	1 942	318	7 910	369	44	-	20 152	
1979	311	478	1 806	6 282	1 038	2 061	354	7 956	397	45	-	20 728	
1980	271	463	1 671	6 580	1 185	1 998	345	7 748	384	41	-	20 687	
1981	274	488	1 769	6 278	1 009	1 921	392	8 085	311	45	-	20 572	
1982	219	343	1 407	5 955	1 017	1 649	318	7 214	243	38	110	18 514	
1983	221	307	1 378	6 745	1 053	1 752	367	7 913	260	33	165	20 195	
1984	228	365	1 432	6 818	966	1 658	408	8 249	129	64	146	20 464	
1985 ^b	229	328	1 293	7 088	1 083	1 562	318	8 288	130	39	97	20 545	
1986 ^c	224	427	1 247	7 623	1 187	1 453	324	9 047 ^d	••	19	..	21 554	

^aIncluded with sulphate-bleached wood pulp.

^bCanadian Pulp and Paper Association estimates based on Statistics Canada data.

^cCanadian Pulp and Paper Association monthly survey.

^dIncluding defibrated and exploded.

Source: Statistics Canada Cat. No. 36-204 and Canadian Pulp and Paper Association Reference Tables 1986 and Special Compilation.

II - 13. WOOD PULP PRODUCTION BY REGION, 1950-1986

Year	Quebec	Ontario	British Columbia	Atlantic provinces	Prairie provinces	Canada
1 000 †						
1950	3 559	2 085	705	1 008	331	7 688
1960	4 055	2 692	1 927	1 430	294	10 398
1970	5 898	3 601	4 100	2 491	520	16 610
1971	5 666	3 447	4 409	2 419	601	16 543
1972	5 893	3 572	4 576	2 766	646	17 453
1973	5 591	3 669	5 337	3 217	750	18 564
1974	6 353	3 877	5 267	3 305	877	19 679
1975	5 198	2 540	3 998	2 560	817	15 113
1976	5 882	3 060	5 320	2 784	902	17 946
1977	5 860	3 662	4 831	2 876	940	18 168
1978	6 632	4 127	5 426	2 941	1 027	20 152
1979	6 869	4 322	5 523	2 956	1 058	20 728
1980	6 356	4 368	5 782	3 188	993	20 687
1981	6 858	4 394	4 995	3 229	1 096	20 572
1982	6 283	3 753	4 938	2 626	914	18 514
1983	6 510	4 217	5 760	2 784	925	20 195
1984	6 371	4 366	5 370	3 326	1 030	20 464
1985 ^a	6 424	4 383	5 955	3 783	.. ^b	20 545
1986 ^c	6 880	4 259	6 160	4 255	.. ^b	21 554

^aCanadian Pulp and Paper Association estimates based on Statistics Canada data.^bIncluded in Atlantic provinces.^cCanadian Pulp and Paper Association, monthly survey.

Note: Approximately 76% of the wood pulp is used in production of paper and board in Canada.

Source: Statistics Canada Cat. No. 36-204 and Canadian Pulp and Paper Association Reference Tables 1986.

WOOD PULP

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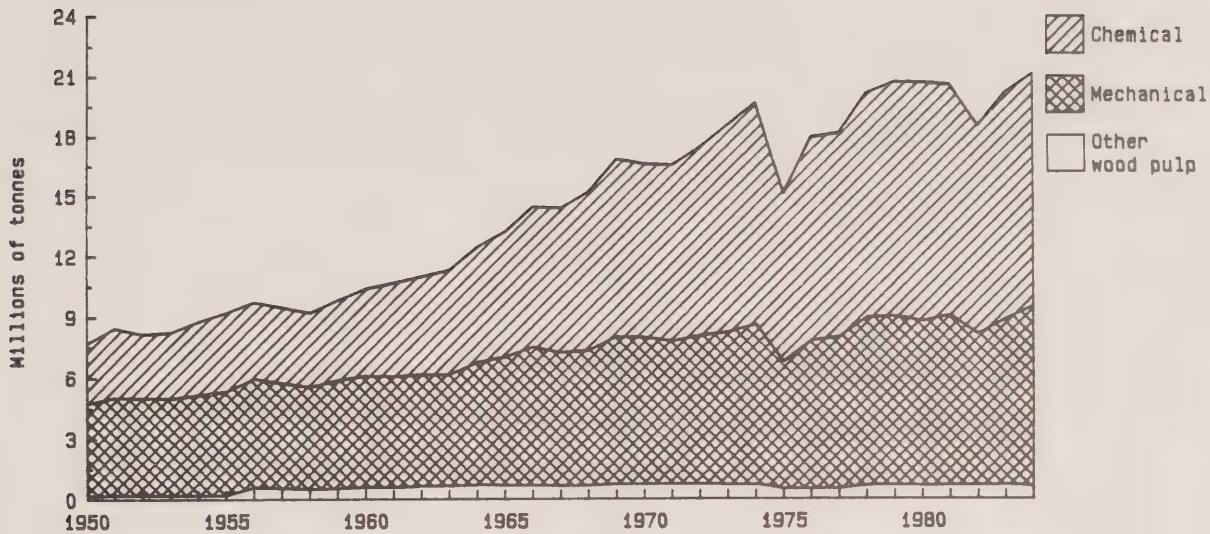


Figure 10. Wood pulp production in Canada, 1950-1984.

Source: Statistics Canada, Cat. No. 36-204.

WOOD PULP



Figure 11. Wood pulp production by region, 1950-1984.

Source: Statistics Canada, Cat. No. 36-204.

II - 14. SHIPMENTS OF WOOD PULP BY CATEGORY, 1960-1986

Year	Dissolving and special alpha	Chemical						Total	
		Sulphite		Sulphate			Mechanical		
		Bleached	Unbleached	Bleached	Semibleached	Unbleached			
A. Quantity (1 000 t)									
1960	347	416	226	996	151	347	314	2 798	
1970	394	555	238	3 437	706	413	304	6 046	
1971	394	460	173	3 418	428	707	243	5 823	
1972	369	460	163	4 248	716	481	260	6 698	
1973	296	460	208	4 760	696	494	287	7 200	
1974	330	679	206	5 013	685	401	288	7 603	
1975	210	462	105	3 853	467	329	224	5 650	
1976	214	559	132	4 757	552	288	266	6 769	
1977	228	596	107	4 879	663	305	288	7 066	
1978	324	492	120	5 764	704	293	323	8 021	
1979	324	441	133	5 890	645	292	364	8 089	
1980	272	400	133	6 132	671	233	325	8 165	
1981	266	406	115	5 874	604	245	327	7 836	
1982	220	370	82	5 403	513	186	280	7 012	
1983	x	353	x	6 377	591	198	477	8 223	
1984	x	331	x	6 397	540	165	653	8 372	
1985 ^a	..	..	..	..	..	..	..	8 781
1986 ^b	239	412	51	6 708	529	133	453	9 311	
B. Value (\$000 000)									
1960	59	61	27	145	17	33	26	369	
1970	77	86	32	544	102	52	21	913	
1971	77	72	24	532	53	105	16	878	
1972	73	69	21	636	102	58	18	976	
1973	62	90	38	878	128	82	24	1 301	
1974	110	212	64	1 463	198	108	51	2 205	
1975	87	161	31	1 392	168	101	43	1 983	
1976	85	181	35	1 625	196	85	48	2 255	
1977	95	190	29	1 595	231	81	50	2 271	
1978	137	154	33	1 785	218	78	57	2 462	
1979	158	182	47	2 445	268	103	85	3 288	
1980	166	201	56	3 176	349	103	89	4 141	
1981	170	206	50	3 057	319	117	86	4 005	
1982	144	143	33	2 651	253	86	74	3 384	
1983	x	164	x	2 775	254	72	128	3 519	
1984	x	156	x	3 410	289	79	201	4 309	

^aCanadian Pulp and Paper Association estimates based on Statistics Canada data.^bCanadian Pulp and Paper Association monthly survey.Source: Statistics Canada Cat. No. 36-204 and Canadian Pulp and Paper Association Reference Tables 1986 and Special Compilation.

**II - 15. SHIPMENTS OF WOOD PULP FROM PROVINCE OF ORIGIN
TO POINT OF DESTINATION, 1980-1986**

Point of destination/ year	Province of origin				
	Quebec	Ontario	British Columbia	Other provinces	Canada
1 000 †					
A. Canada					
1980	543	341	132	173	1 189
1981	543	372	119	164	1 198
1982	540	330	125	137	1 132
1983	649	404	152	153	1 358
1984	525	439	189	252	1 405
1985	514	492	256	239	1 501
1986	602	488	272	275	1 637
B. United States					
1980	442	948	813	1 230	3 433
1981	460	910	698	1 216	3 284
1982	348	762	672	1 074	2 856
1983	388	951	835	1 115	3 289
1984	416	1 023	764	1 224	3 427
1985	383	921	879	1 227	3 410
1986	428	964	879	1 254	3 525
C. Other countries					
1980	238	115	2 689	729	3 771
1981	227	135	2 296	698	3 356
1982	190	92	2 140	550	2 972
1983	190	100	2 550	668	3 508
1984	180	86	2 193	814	3 273
1985	186	117	2 592	705	3 600
1986	284	156	2 849	860	4 149
D. Total shipments					
1980	1 222	1 405	3 635	2 132	8 393
1981	1 230	1 417	3 113	2 078	7 838
1982	1 078	1 184	2 937	1 761	6 960
1983	1 227	1 455	3 537	1 936	8 155
1984	1 121	1 548	3 146	2 290	8 105
1985	1 083	1 530	3 727	2 171	8 511
1986	1 314	1 608	4 000	2 389	9 311

Source: Canadian Pulp and Paper Association monthly survey, Special Compilation.

II - 16. BASIC PAPER AND PAPERBOARD PRODUCTION BY CATEGORY, 1950-1986

Year	Newsprint	Book and writing	Sanitary	Tissue other than sanitary	Wrapping	1 000 †	Building paper	Paper-board	Total
1950	4 825	194	59	11	202	83	796	6 180	
1960	6 068	366	113	22	292	75	1 159	8 095	
1970	7 996	821	199	19	438	101	1 678	11 252	
1971	7 733	844	244	18	490	133	1 698	11 161	
1972	8 079	881	262	21	542	156	1 941	11 882	
1973	8 357	892	271	22	610	149	2 282	12 583	
1974	8 710	1 056	302	25	643	143	2 338	13 219	
1975	7 010	679	241	17	431	146	1 542	10 066	
1976	8 063	842	288	16	526	149	1 908	11 791	
1977	8 066	1 116	292	19	556	143	1 944	12 136	
1978	8 739	1 377	314	17	628	129	2 171	13 376	
1979	8 642	1 606	343	19	617	125	2 290	13 641	
1980	8 368	1 636	362	17	544	138	2 319	13 385	
1981	8 933	1 599	377	17	523	118	2 388	13 956	
1982	7 785	1 721	366	17	466	124	1 982	12 473	
1983	8 461	1 767	418 ^a	..	471	120	2 229	13 466	
1984	8 950	2 001	423 ^a	..	476	122	2 387	14 359	
1985 ^b	8 988	2 177	187	19	527	125	2 295	14 318 ^c	
1986 ^d	9 274	..	..	..	..	..	15 244		

^aIncluding tissue, other than sanitary.^bCanadian Pulp and Paper Association estimates based on Statistics Canada data.^cThe total in Table II-17 is 14 798+. The difference is in the estimates for newsprint. The figure 8 988+ is derived from CPA's own survey. However the estimate, equivalent to the CPA figure, based on Statistics Canada data would be 9 468+.^dCanadian Pulp and Paper Association monthly survey.

Source: Statistics Canada Cat. No. 36-204, 25-202 and Canadian Pulp and Paper Association Reference Tables 1986 and Special Compilation.

PAPER AND PAPERBOARD

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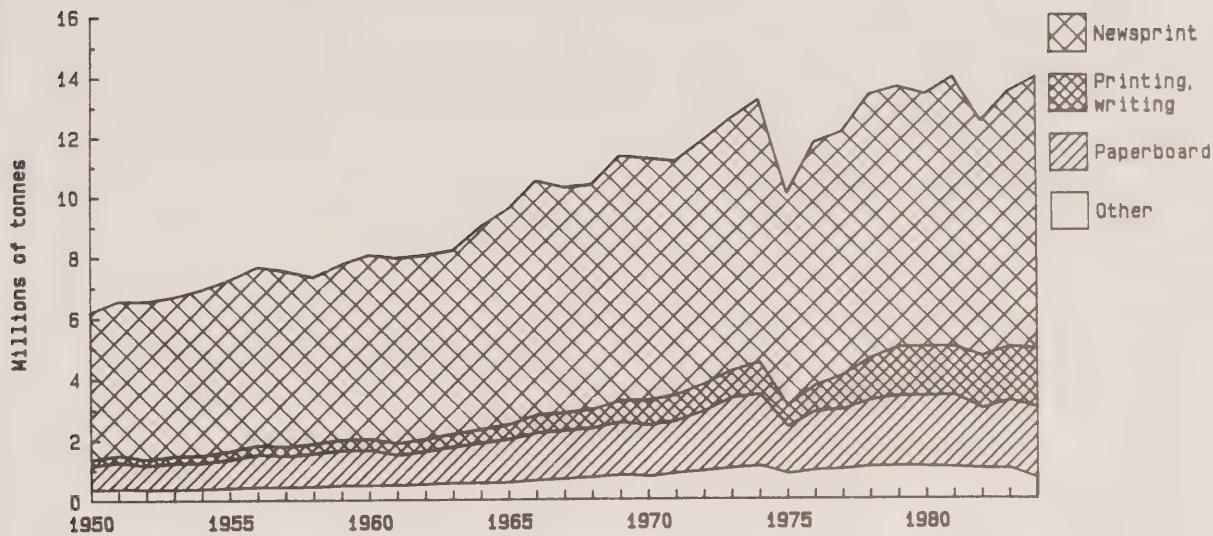


Figure 12. Basic paper and paperboard production in Canada, 1950-1984.

Source: Statistics Canada, Cat. No. 36-204.

PAPER AND PAPERBOARD

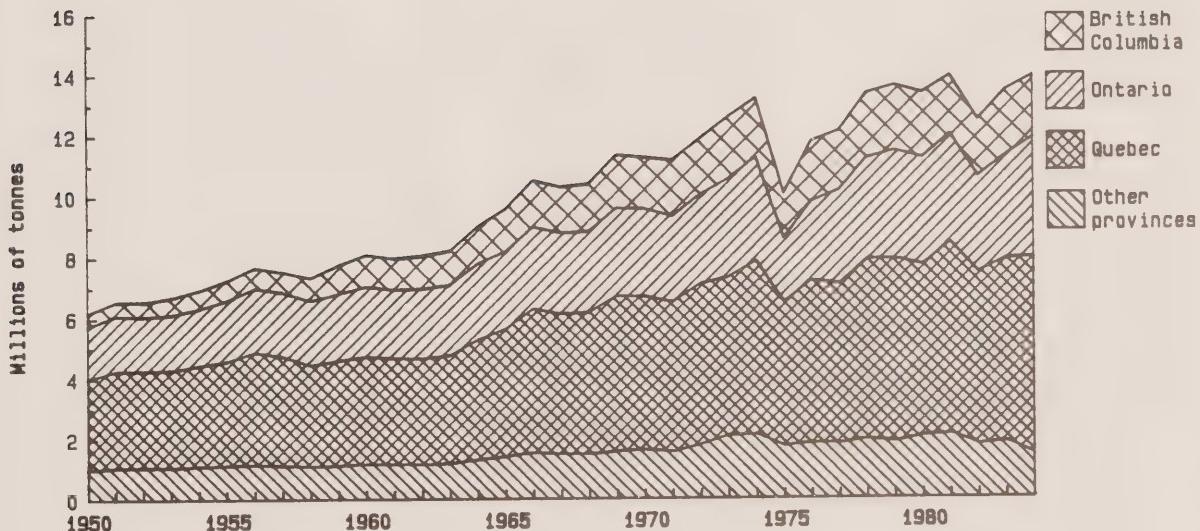


Figure 13. Basic paper and paperboard production by region, 1950-1984.

Source: Statistics Canada, Cat. No. 36-204.

11 ~ 17. BASIC PAPER AND PAPERBOARD PRODUCTION BY CATEGORY AND REGION, 1950-1986

Year	Quebec			Ontario			British Columbia			Other provinces			Canada		
	Newsprint		Other paper and paperboard	Total	Newsprint		Other paper and paperboard	Total	Total paper and paperboard		Newsprint	Total paper and paperboard	Total		
	Newsprint	Other paper and paperboard	Total	Newsprint	Other paper and paperboard	Total	Newsprint	Other paper and paperboard	Total	Newsprint	Total paper and paperboard	Newsprint	Total		
1950	2 510	499	3 009	1 125	602	1 727	452	993	4 826	1 355	6 180				
1960	2 863	680	3 543	1 459	855	2 313	1 043	1 195	6 068	2 027	8 095				
1970	3 766	1 298	5 064	1 686	1 198	2 883	1 675	1 631	7 996	3 256	11 252				
1971	3 609	1 348	4 957	1 609	1 220	2 830	1 826	1 545	7 733	3 428	11 161				
1972	3 793	1 529	5 322	1 625	1 310	2 935	1 834	1 791	8 079	3 803	11 882				
1973	3 671	1 559	5 230	1 769	1 464	3 233	2 029	2 093	8 357	4 226	12 583				
1974	4 079	1 657	5 736	1 778	1 626	3 404	1 952	2 128	8 710	4 508	13 219				
1975	3 529	1 236	4 765	1 140	959	2 099	1 477	1 725	7 010	3 056	10 066				
1976	3 931	1 447	5 378	1 411	1 181	2 592	1 977	1 844	8 063	3 728	11 791				
1977	3 726	1 560	5 286	1 610	1 476	3 086	1 952	1 813	8 066	4 070	12 136				
1978	4 124	1 830	5 954	1 663	1 654	3 317	2 137	1 967	8 739	4 637	13 376				
1979	4 075	1 996	6 071	1 743	1 810	3 553	2 154	1 863	8 642	4 999	13 641				
1980	3 800	1 853	5 653	1 734	1 788	3 522	2 147	2 063	8 368	5 017	13 385				
1981	4 452	1 880	6 332	1 742	1 820	3 562	1 926	2 136	8 933	5 023	13 956				
1982	3 910	1 792	5 702	1 416	1 737	3 153	1 858	1 764	7 785	4 688	12 473				
1983	4 156	1 839	5 995	1 576	1 924	3 500	2 126	1 845	8 461	5 005	13 466				
1984	4 200	2 192	6 392	1 812	1 966	3 778	2 099	2 090	8 950	5 409	14 359				
1985 ^a	4 285	2 323	6 608	1 773	2 150	3 923	2 601	2 112	9 274	5 970	14 798				
1986 ^b											15 244				

^aCanadian Pulp and Paper Association estimates based on Statistics Canada data.^bCanadian Pulp and Paper Association monthly survey.

Source: Statistics Canada Cat. No. 25-202, 36-204 and Canadian Pulp and Paper Association Reference Tables 1986 and Special Compilation.

II - 18. SHIPMENTS OF BASIC PAPER AND PAPERBOARD BY CATEGORY, 1960-1986

Year	Newsprint	Book and writing paper	Sanitary	Tissue other than sanitary	Wrapping	Building paper	Paperboard	Total
A. Quantity (1 000 t)								
1960	6 146	363	37	13	273	75	877	7 785
1970	7 951	798	93	14	439	98	1 600	10 994
1971	7 639	822	86	15	492	132	1 646	10 831
1972	8 130	863	102	16	537	155	1 853	11 655
1973	8 373	891	105	18	616	147	2 062	12 214
1974	8 761	1 032	116	20	636	145	2 142	12 853
1975	7 046	680	87	12	422	141	1 504	9 892
1976	7 953	818	98	12	518	152	1 791	11 341
1977	8 111	1 085	108	15	546	140	1 874	11 880
1978	8 773	1 352	116	16	637	129	2 145	13 167
1979	8 667	1 573	137	17	606	125	2 208	13 333
1980	8 419	1 617	133	16	538	151	2 267	13 140
1981	8 836	1 582	138	16	516	125	2 305	13 519
1982	7 740	1 684	129	15	448	120	1 926	12 062
1983	8 440	1 712	122	17	464	120	2 169	13 044
1984	8 992	1 974	163	..	467 ^a	122	2 348	14 066
1985 ^b	8 965	2 167	186 ^c	..	521	125	2 318	14 282
1986 ^d	9 301	..	..	..	..	..	..	15 330
B. Value (\$000 000)								
1960	793	106	9	5	66	8	140	1 128
1970	1 107	238	26	7	102	9	269	1 757
1971	1 083	242	26	7	115	10	268	1 752
1972	1 177	262	30	8	124	12	313	1 925
1973	1 339	321	32	10	158	13	378	2 252
1974	1 855	496	51	15	242	17	550	3 226
1975	1 847	346	47	10	180	19	412	2 861
1976	2 180	404	62	10	204	21	503	3 383
1977	2 570	559	70	12	210	23	519	3 965
1978	3 004	729	75	13	270	24	615	4 730
1979	3 336	974	89	16	316	26	734	5 491
1980	3 723	1 133	111	17	327	38	856	6 205
1981	4 386	1 205	133	19	327	36	959	7 065
1982	4 057	1 337	138	19	305	33	850	6 740
1983	4 156	1 364	119	21	306	31	966	6 962
1984	4 821	1 711	134	..	340 ^a	33	1 156	8 194

^aTissue paper, other than sanitary, included with wrapping.^bCanadian Pulp and Paper Association estimates based on Statistics Canada data.^cIncluding tissue other than sanitary.^dCanadian Pulp and Paper Association monthly survey.

Source: Statistics Canada Cat. No. 36-204 and Canadian Pulp and Paper Association Reference Tables 1986 and Special Compilation.

**II - 19. SHIPMENTS OF NEWSPRINT FROM PROVINCE OF ORIGIN
TO POINT OF DESTINATION, 1980-1986**

Point of destination/ year	Province of origin				
	Quebec	Ontario	British Columbia	Other provinces	Canada
1 000 †					
A. Canada					
1980	523	161	189	108	980
1981	571	192	178	105	1 046
1982	521	141	189	83	934
1983	531	158	174	107	970
1984	608	169	143	150	1 070
1985	580	181	169	102	1 032
1986	615	208	188	110	1 121
B. United States					
1980	2 793	1 589	909	826	6 118
1981	2 991	1 570	780	717	6 058
1982	2 900	1 325	788	582	5 595
1983	3 051	1 470	932	580	6 033
1984	3 212	1 638	892	843	6 585
1985	3 182	1 564	1 005	923	6 674
1986	3 237	1 553	1 024	920	6 734
C. Other countries					
1980	585	9	225	705	1 524
1981	718	10	206	875	1 809
1982	615	16	188	706	1 525
1983	493	1	209	734	1 437
1984	420	-	224	719	1 363
1985	335	-	290	665	1 290
1986	439	6	292	709	1 446
D. Total shipments					
1980	3 900	1 759	1 323	1 639	8 622
1981	4 280	1 772	1 164	1 697	8 913
1982	4 036	1 482	1 165	1 371	8 054
1983	4 075	1 629	1 315	1 421	8 440
1984	4 240	1 807	1 259	1 712	9 018
1985	4 097	1 745	1 464	1 690	8 996
1986	4 291	1 767	1 504	1 739	9 301

Source: Canadian Pulp and Paper Association monthly survey, Special Compilation.

II - 20. SHIPMENTS OF OTHER PAPER AND PAPERBOARD FROM PROVINCE OF ORIGIN
TO POINT OF DESTINATION, 1980-1986

Point of destination/ year	Province of origin				
	Quebec	Ontario	British Columbia	Other provinces	Canada
1 000 †					
A. Canada					
1980	1 401	1 326	376	220	3 323
1981	1 427	1 329	356	213	3 325
1982	1 210	1 257	302	198	2 967
1983	1 314	1 379	319	194	3 206
1984	1 408	1 468	319	202	3 397
1985	1 456	1 506	363	176	3 501
1986	1 529	1 565	422	214	3 730
B. United States					
1980	374	376	37	80	867
1981	356	390	26	23	795
1982	383	356	54	15	808
1983	475	428	110	26	1 039
1984	626	453	124	17	1 220
1985	621	485	224	32	1 362
1986	751	562	264	83	1 660
C. Other countries					
1980	117	58	421	71	667
1981	82	31	318	98	529
1982	54	35	348	100	537
1983	86	20	383	124	613
1984	75	22	363	119	579
1985	51	22	447	75	595
1986	68	22	441	108	639
D. Total shipments					
1980	1 892	1 760	834	371	4 857
1981	1 865	1 750	700	334	4 649
1982	1 647	1 648	704	313	4 312
1983	1 875	1 827	812	344	4 858
1984	2 109	1 943	806	338	5 196
1985	2 128	2 013	1 034	283	5 458
1986	2 348	2 149	1 127	405	6 029

Source: Canadian Pulp and Paper Association monthly survey, Special Compilation.

II - 21. SHIPMENTS OF SELECTED WOOD-BASED PANEL PRODUCTS, 1970-1986

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Year	Veneer ^a			Plywood ^a			Other wood-based panels		
	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total	Waferboard	Particleboard	Hardboard
A. Quantity (1 000 m³)									
1970	470	134	604	1 664	191	1 855	171	256 ^b	..
1971	526	133	659	1 855	209	2 064	378 ^b	378 ^b	186
1972	596	151	747	1 996	226	2 222	475 ^b	475 ^b	217
1973	607	139	746	2 149	250	2 399	565 ^b	565 ^b	253
1974	489	118	607	1 842	218	2 060	507 ^b	507 ^b	222
1975	506	99	605	1 979	180	2 159	564 ^b	564 ^b	194
1976	651	111	762	2 134	190	2 324	285	474	191
1977	750	127	877	2 359	194	2 553	384	514	172
1978	678	164	842	2 576	217	2 793	457	617	198
1979	634	x	x	2 379	x	x	528	703	193
1980	638	x	x	2 248	x	x	577	724	226
1981	616	x	x	1 978	198	2 176	665	697	163
1982	473	x	x	1 646	163	1 809	536	574	118
1983	701	x	x	x	x	x	2 057	851	706
1984	..	..	..	..	..	..	1 845	1 183	823
1985	..	..	..	..	..	..	1 970	1 331	144
1986	..	..	..	..	..	..	1 888	1 356	151
							1 029	1 115	136
B. Value (\$000 000)									
1970	17	31	48	150	31	181	18b	..	..
1971	23	31	54	186	34	220	26b	26b	..
1972	31	39	70	241	43	284	38b	38b	..
1973	37	45	82	290	59	349	55b	55b	..
1974	32	44	76	262	58	320	54b	54b	..
1975	30	36	66	280	50	330	..	..	..
1976	43	43	86	364	59	423	38	41	..
1977	49	48	97	406	66	472	54	52	..
1978	61	79	139	536	82	618	73	77	..
1979	64	x	x	545	x	x	89	87	..
1980	68	x	x	493	x	x	80	106	..
1981	67	x	x	492	91	583	103	117	..
1982	51	x	x	350	73	423	77	96	..
1983	67	x	x	x	98	x	129	123	..
1984	..	..	..	..	..	..	185	152	..
1985	..	..	..	..	..	..	241	193	..
1986	..	..	..	..	..	..	267	229	..

^aAnnual survey 1970-1983, monthly survey 1984-1986.
^bIncluding waferboard.

Source: Statistics Canada Cat. No. 25-202, 35-001, 36-001 and 36-003.

II - 22. SHIPMENTS (VALUE) OF GOODS OF OWN MANUFACTURE FOR SELECTED WOOD INDUSTRIES
FROM PROVINCE OF ORIGIN TO FIRST POINT OF DESTINATION, 1984

Province of origin	Destination of shipments ^a												Directly exported	Total				
	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces				Que.	Ont.	Man.	Sask.	Alta.	Prairies				
	\$000 000																	
A. Wood industries																		
Nfld.	25	..	..	..	25	..	..	..	..	..	..	..	..	..	25
P.E.I.	x	x	x	x	x	..	x	..	..	..	..	..	..	..	10
N.S.	x	x	x	x	x	x	x	x	x	x	x	x	..	x	118			
N.B.	x	x	x	x	186	x	x	x	x	x	x	x	x	x	284			
Atlantic provinces	38	x	x	166	321	19	32	x	x	x	x	x	x	63	438			
Que.	12	x	x	19	46	1	558	276	x	x	x	x	x	487	2 387			
Ont.	x	x	x	x	19	109	1	226	13	x	x	x	x	407	1 796			
Man.	..	..	..	..	..	x	x	93	x	x	x	122	1	x	135
Sask.	..	..	x	..	x	x	x	x	x	x	x	63	..	x	110	
Alta.	x	x	2	x	x	x	29	x	x	270	304	39	148	539				
Prairies	x	x	x	x	5	20	53	133	71	284	489	39	176	784				
B.C.	6	3	14	10	33	124	301	61	x	172	292	1	323	2 496	4 569			
Canada	59	21	144	200	424	1	830	1	888	213	x	473	828	1	374	3 629	9 973	
B. Shingle and shake industry																		
N.B.	..	x	x	x	x	..	..	..	..	..	..	..	..	x	5
Que.	..	..	..	x	x	x	x	..	..	..	..	..	..	x	10
B.C.	x	x	1	x	x	x	x	x	x	x	x	35	86	124				
Canada	x	x	x	3	x	4	1	x	x	x	x	35	95	139				
C. Sawmill and planing mill products industry																		
Nfld.	9	..	..	..	9	..	..	..	..	..	..	..	..	..	9
P.E.I.	..	2	..	..	2	..	..	..	..	..	..	..	..	..	2
N.S.	x	x	x	1	54	x	x	..	..	..	..	..	..	x	60
N.B.	x	x	x	119	132	x	x	..	..	x	x	..	..	x	185
Atlantic provinces	x	x	x	119	196	x	x	..	..	x	x	..	..	49	257
Que.	x	x	x	7	x	799	164	x	..	x	x	x	x	344	1 329			
Ont.	..	..	x	..	x	x	419	x	x	x	x	x	x	215	669	
Man.	..	..	..	..	..	..	x	x	x	..	x	..	x	24	
Sask.	..	..	..	..	..	..	x	x	x	x	x	..	x	52	
Alta.	..	..	..	..	..	x	x	16	x	x	124	x	116	269	
Prairies	..	..	..	..	..	x	x	52	19	104	175	x	139	345	
B.C.	2	x	5	4	x	x	207	38	x	x	152	x	2 268	3 666				
Canada	23	6	66	130	226	892	807	95	x	184	332	992	3 016	6 265				

^aLarge establishments and head offices classified in the Census of manufactures universe were asked to report the first destination to which goods were shipped.

Source: Statistics Canada Cat. No. 31-530, Census of manufactures.

II - 23. SHIPMENTS (VALUE) OF GOODS OF OWN MANUFACTURE FOR SELECTED PAPER AND ALLIED INDUSTRIES
FROM PROVINCE OF ORIGIN TO FIRST POINT OF DESTINATION, 1984

Province of origin	Destination of shipments ^a												Directly exported	Total
	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.		
\$000 000														
A. Paper and allied products industries														
Nfld.	x	x	x	x	16	..	x	..	..	..	..	x	x	x
N.S.	x	x	x	x	61	32	x	x	x	x	x	x	x	434
N.B.	x	x	x	83	101	38	x	x	..	x	x	x	800	1 000
Atlantic provinces	x	x	x	x	178	70	190	x	x	4	x	x	1 304	x
Que.	24	x	x	70	133	1 721	1 032	x	x	31	x	x	2 883	5 864
Ont.	x	x	x	x	135	665	2 782	87	x	119	235	85	1 950	5 852
Man.	x	x	x	x	x	x	30	88	x	x	115	x	x	249
Sask.	..	..	..	..	..	x	x	x	x	x	16	x	x	x
Alta.	..	..	x	..	x	x	x	x	x	128	164	x	x	452
Prairies	x	x	x	x	--	44	42	105	49	142	296	x	458	x
B.C.	x	x	x	x	4	5	18	x	22	134	174	489	2 455	3 145
Canada	109	17	129	194	449	2 506	4 063	236	113	429	779	625	9 050	17 472
B. Pulp industry														
N.S.	..	..	..	x	x	x	x	..	..	..	..	..	x	x
N.B.	..	..	x	x	x	x	x	..	..	..	..	..	420	508
Atlantic provinces	..	..	x	x	x	x	x	..	..	..	..	..	420	x
Que.	..	..	..	22	22	147	45	..	..	..	..	..	270	484
Ont.	x	..	..	..	x	x	194	x	..	x	x	x	387	705
Sask.	..	..	..	..	..	x	x	..	..	..	..	..	x	x
Alta.	..	..	..	..	..	..	..	x	..	x	x	..	x	x
Prairies	..	..	..	..	..	x	x	x	..	x	x	..	369	x
B.C.	..	..	..	x	x	x	x	..	..	x	x	x	1 400	1 536
Canada	x	..	x	x	67	306	379	x	..	x	10	133	2 846	3 740
C. Newsprint industry														
Nfld.	x	..	..	..	x	..	x	..	..	..	..	..	x	x
N.S.	..	x	x	x	x	x	x	..	..	..	..	..	x	x
N.B.	..	..	x	x	x	x	x	..	..	x	x	..	x	x
Atlantic provinces	x	x	x	10	x	x	x	..	..	x	x	..	x	x
Que.	..	..	..	x	x	228	270	x	x	6	x	x	2 282	2 797
Ont.	x	x	x	x	x	x	x	x	x	x	x	x	1 259	1 436
Man.	..	..	..	..	..	..	x	x	x	x	x	x	x	x
Prairies	..	..	..	..	..	..	x	x	x	x	x	x	x	x
B.C.	..	..	..	..	..	..	x	x	x	37	43	69	913	1 025
Canada	x	x	x	14	81	258	374	x	x	53	100	75	5 303	6 191

^aLarge establishments and head offices classified in the Census of manufactures universe were asked to report the first destination to which goods were shipped.

Source: Statistics Canada Cat. No. 31-530, Census of manufactures.

SECTION III

COMMODITY TRADE

Exports

Export documents collected by Canada Customs are the basic source of export statistics, except for data on electricity, crude petroleum, and natural gas exported by pipeline.

Provincial Detail: Prior to the 1984 data year, export statistics by province of lading indicated the province in which the goods were first loaded aboard a carrier for export (province of lading). In certain cases this might differ from the province of origin, which is defined as the province in which the goods were grown, extracted, or manufactured.

Commencing with 1984 data, Statistics Canada and Revenue Canada, Customs and Excise have required export shipments to be reported by province of origin. It is understood that there are some problems effecting this change as many exporters are unable to report by province of origin. Therefore, 1984, 1985 and 1986 statistics should be considered only as transitional.

Country and area of destination: Exports are classified according to the country to which they are consigned at the time the goods leave Canada, i.e., to the farthest known destination. (Many primary products are shipped to transhipment points, particularly in Europe, for re-export to the ultimate destination which is unknown when the goods leave Canada.)

Imports

Import documents collected by Canada Customs are the basic source of import statistics, except for data on imports of electricity, which are reported by the importing firms directly to Statistics Canada.

Provincial detail: Import statistics by province of clearance indicate the province in which the goods were cleared by customs either for immediate consumption or for entry into a bonded customs warehouse; this may not always coincide with the province in which the goods are consumed or enter the productive process.

Country and area of consignment: Imports are credited to the country from which goods are consigned to Canada, except for goods originating in Central and South America but consigned to Canada via the United States. The principal trade areas shown in some tables are defined in section X, "User's guide."

Commodity Classification

Export commodities are classified according to the "Export Commodity Classification (XCC)," catalogue 12-502. Import commodities are classified according to the "Canadian International Trade Classification," catalogue 65-502.

III - 1. BALANCE OF TRADE BY MAJOR COMMODITY GROUP, 1984-1985

Commodity	1984			1985		
	Exports ^a (+)	Imports (-)	Net flow	Exports ^a (+)	Imports (-)	Net flow
\$000 000						
A. Forest products	15 793	1 965	+13 828	16 290	2 034	+14 256
Lumber - Total	4 299	281	+ 4 018	4 630	281	+ 4 349
- Softwoods	4 182	108	+ 4 074	4 524	112	+ 4 412
Plywood, veneer	273	78	+ 195	249	79	+ 170
Particleboard and wood building board	157	24	+ 133	201	28	+ 173
Wood pulp	3 906	129	+ 3 777	3 399	132	+ 3 267
Newsprint	4 784	-	+ 4 784	5 408	-	+ 5 408
Other paper and paperboard	1 427	1 107	+ 320	1 486	1 141	+ 345
Pulpwood	11	13	- 2	8	16	- 8
Pulpwood chips	85	9	+ 76	83	9	+ 74
Other crude wood materials	263	141	+ 122	203	157	+ 46
Other forest products	588	183	+ 405	623	191	+ 432
B. Farm products	9 313	5 419	+ 3 894	7 873	5 416	+ 2 457
Live animals	520	94	+ 426	468	109	+ 359
Food, feed, beverages, and tobacco	8 792	5 325	+ 3 467	7 405	5 307	+ 2 098
C. Fish products	1 595	487	+ 1 108	1 845	494	+ 1 351
D. Energy	15 629	5 246	+10 383	17 583	5 501	+12 082
Coal and other crude bituminous	1 847	1 095	+ 752	2 010	888	+ 1 122
Crude petroleum	4 404	3 376	+ 1 028	5 972	3 695	+ 2 277
Petroleum and coal products	3 203	692	+ 2 511	3 343	831	+ 2 512
Natural gas	3 923	--	+ 3 923	4 011	--	+ 4 011
Uranium and radioactive elements and isotopes	875	-	+ 875	822	-	+ 822
Electricity	1 378	83	+ 1 295	1 425	87	+ 1 338
E. Metals and minerals	16 720	8 476	+ 8 245	17 215	9 324	+ 7 891
Metal ores, concentrates, and scrap	3 682	1 854	+ 1 828	3 545	1 659	+ 1 886
Iron and steel	2 254	1 641	+ 613	2 391	2 008	+ 383
Nonferrous metals	6 429	2 258	+ 4 171	5 984	2 601	+ 3 383
Other metals and minerals	4 356	2 723	+ 1 633	5 294	3 056	+ 2 238
F. Other products	52 902	72 333	-19 431	58 038	80 514	-22 476
Chemicals and fertilizers - minerals	3 042	1 879	+ 1 163	2 824	1 948	+ 876
Chemicals and fertilizers-non minerals	1 837	3 777	- 1 940	2 137	3 977	- 1 840
Textiles	303	1 735	- 1 432	316	1 886	- 1 570
Machinery	3 722	7 349	- 3 627	3 916	8 642	- 4 726
Transportation and automotive products	33 442	30 936	+ 2 506	37 664	37 135	+ 529
Other products	10 556	26 657	-16 101	11 181	26 926	-15 745
Special trade transactions	432	1 534	- 1 102	397	1 631	- 1 234
G. Total	112 384	95 460	+16 924	119 241	104 914	+14 327

^aincluding re-exports.

Source: Statistics Canada Cat. No. 65-202 and 65-203.

COMMODITY CLASSIFICATION

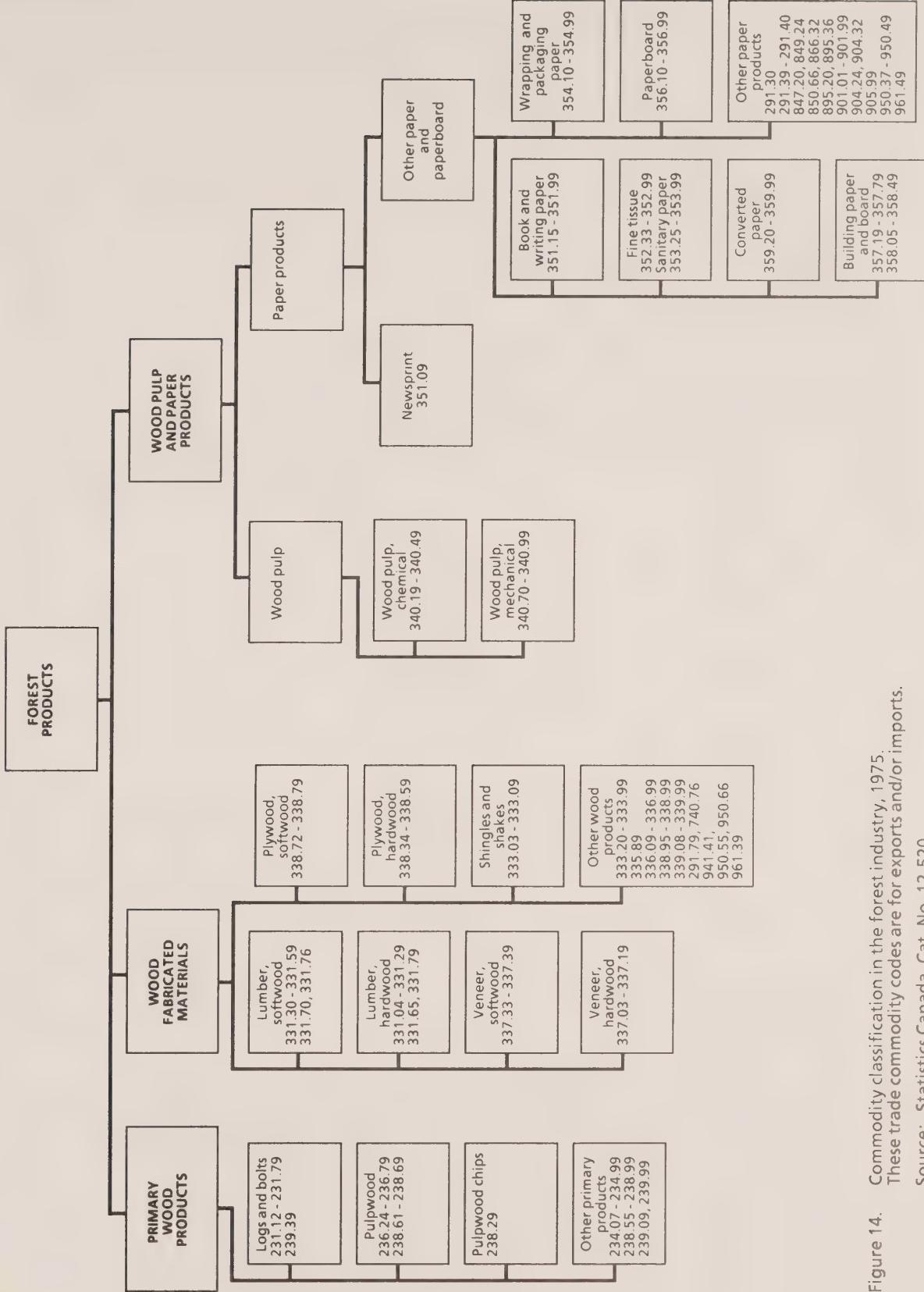


Figure 14. Commodity classification in the forest industry, 1975.
 These trade commodity codes are for exports and/or imports.
Source: Statistics Canada, Cat. No. 12-520.

III - 2. CANADIAN EXPORTS (VALUE) BY COMMODITY GROUP, 1970-1985

Year	Forest products						Chemicals and fertilizers						Energy						Mines							
	Lumber			Other paper, paper-board			Agriculture			Chemicals and fertilizers			Minerals			Minerals			Electricity			Other minerals and products			Total	Re-exports
	Soft-woods	Wood pulp	Newspaper-print	Total a	Farm products b	Fish products	Minerals	Other	Minerals	Other	Minerals	Other	Minerals	Other	Minerals	Other	Minerals	Other	Minerals	Other	Minerals	Other	Minerals	Other	Total	Re-exports
\$000 000																										
1970	638	664	785	1 110	166	230	2 955	1	616	252	335	181	1 007	34	4 055	5	966	16	401	419						
1971	799	830	798	1 084	173	227	3 112	1	838	274	373	156	1 276	48	3 642	6	678	17	397	423						
1972	1 128	1 174	830	1 158	222	262	3 646	2	018	337	389	156	1 701	68	3 698	7	657	19	671	479						
1973	1 559	1 599	1 082	1 288	286	323	4 578	2	677	480	477	194	2 403	109	4 780	9	140	24	838	583						
1974	1 254	1 290	1 889	1 726	424	297	5 626	3	459	411	678	258	4 944	175	6 073	10	050	31	675	767						
1975	949	973	1 834	1 746	304	270	5 127	3	700	447	683	265	5 405	104	5 612	11	205	32	548	780						
1976	1 611	1 649	2 186	2 003	375	362	6 575	3	710	585	868	332	5 279	162	6 626	13	513	37	650	825						
1977	2 339	2 387	2 158	2 382	468	532	7 927	3	816	792	1 066	512	5 315	377	7 601	16	278	43	684	870						
1978	3 158	3 229	2 181	2 886	616	717	9 629	4	200	1 102	1 248	652	6 196	479	8 620	20	134	52	260	923						
1979	3 821	3 901	3 083	3 222	824	860	11 890	5	024	1 290	1 864	855	8 995	729	11 247	22	424	64	317	1 324						
1980	3 263	3 352	3 873	3 684	1 012	898	12 819	7	012	1 251	2 384	1 046	10 997	773	15 298	22	867	74	446	1 713						
1981	2 913	2 989	3 819	4 326	983	858	12 975	7	958	1 483	2 704	1 240	11 514	123	14 892	27	447	81	336	2 475						
1982	2 847	2 913	3 221	4 086	1 028	853	12 101	8	639	1 583	2 368	1 234	12 083	120	12 563	30	134	81	825	2 705						
1983	3 896	3 965	3 049	3 956	1 142	1 106	13 218	8	865	1 544	2 557	1 447	11 862	1228	12 711	34	723	88	155	2 458						
1984	4 182	4 257	3 906	4 784	1 417	1 370	15 734	9	257	1 576	3 019	1 766	14 245	1 378	15 731	46	732	109	437	2 947						
1985	4 524	4 595	3 394	5 407	1 472	1 359	16 227	7	811	1 823	2 801	2 085	16 155	1 425	16 155	51	431	115	913	3 330						

aRe-exports not included in forest products.

bFarm products: Food, feed, and beverages, including live animals and tobacco.

cEnergy-minerals: coal and other crude bituminous substances, crude petroleum, natural gas, petroleum and coal products, uranium and radioactive elements and isotopes.

dOther metals and minerals: metal ores, concentrates and scrap, iron and steel, non-ferrous metal, metal fabricated basic products, asbestos unmanufactured, sulphur and other crude non-metallic minerals.

Source: Statistics Canada Cat. No. 65-202.

EXPORTS OF CANADIAN PRODUCTS

Billions of dollars

61

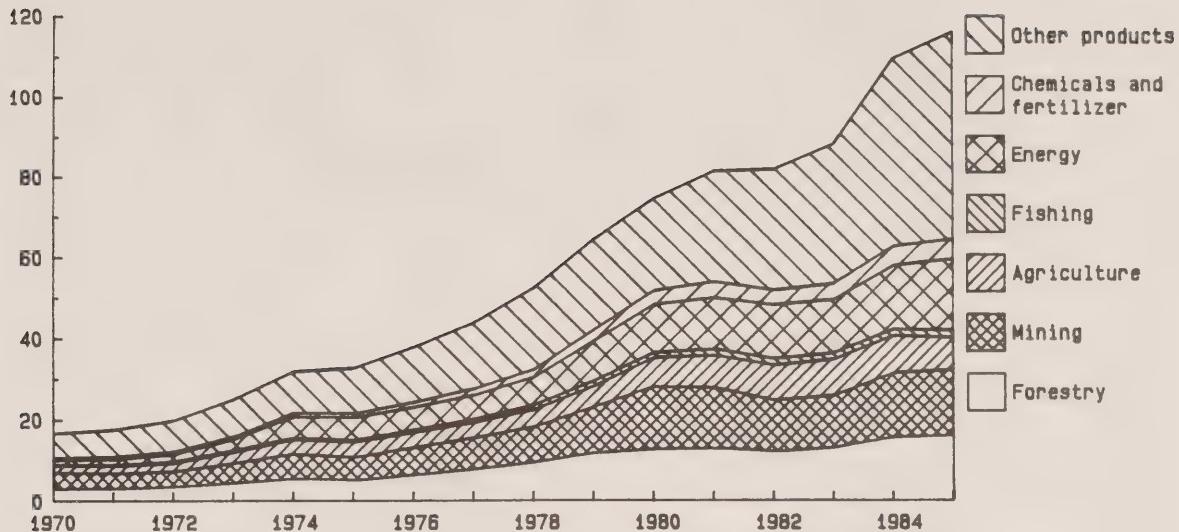


Figure 15. Exports of Canadian products by commodity group, 1970-1985.

Source: Statistics Canada, Cat. No. 65-202 and special compilation.

NET TRADE BALANCE

Billions of dollars

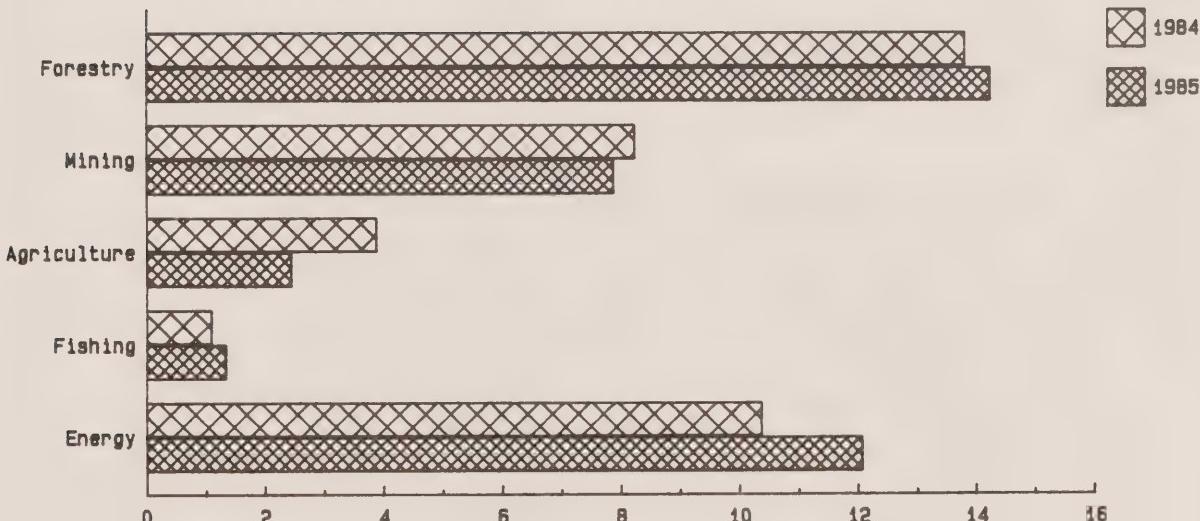


Figure 16. Contribution to net trade balance by commodity group, 1984-1985.

Source: Statistics Canada, Cat. No. 65-202 and special compilation.

III - 3. DOMESTIC EXPORTS^a OF FOREST PRODUCTS (VALUE) BY PROVINCE OR REGION OF LADING 1970-1985
AND BY PROVINCE OR REGION OF LADING/ORIGIN, 1984-1985

Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon and N.W.T.	Canada
\$000 000														
A. Province or region of lading														
1970	90	1	74	183	348	781	515	13	29	50	92	1 220	--	2 955
1971	76	--	80	199	355	779	498	16	32	53	101	1 379	--	3 112
1972	86	--	88	235	409	839	548	28	40	73	141	1 708	--	3 646
1973	119	1	116	300	536	906	662	36	51	92	179	2 294	--	4 578
1974	180	1	171	450	802	1 210	857	42	58	145	245	2 511	--	5 626
1975	160	1	178	435	774	1 197	747	38	56	167	261	2 148	--	5 127
1976	166	2	168	492	828	1 336	904	44	49	188	281	3 225	1	6 575
1977	198	1	201	545	945	1 604	1 264	56	55	220	331	3 780	2	7 927
1978	177	1	222	579	979	2 086	1 566	73	78	219	370	4 628	1	9 629
1979	229	5	264	674	1 172	2 601	1 956	85	91	289	465	5 696	--	11 890
1980	256	2	318	880	1 456	2 937	2 228	90	123	316	529	5 669	--	12 819
1981	325	1	356	954	1 636	3 404	2 513	124	141	330	595	4 855	1	13 003
1982	316	1	282	725	1 324	3 333	2 365	103	98	292	493	4 586	1	12 101
1983	246	1	231	754	1 231	3 301	2 686	103	114	329	545	5 453	--	13 218
B. Province or region of lading/origin														
1984	286	3	354	1 050	1 693	3 999	3 267	146	140	415	701	6 074	1	15 734
1985	318	2	357	1 019	1 696	4 140	3 437	178	105	407	690	6 264	--	16 227

^aExcluding re-exports.

Source: Statistics Canada Special Compilation, International Trade Division.

EXPORTS BY REGION OF LADING/ORIGIN

Billions of dollars

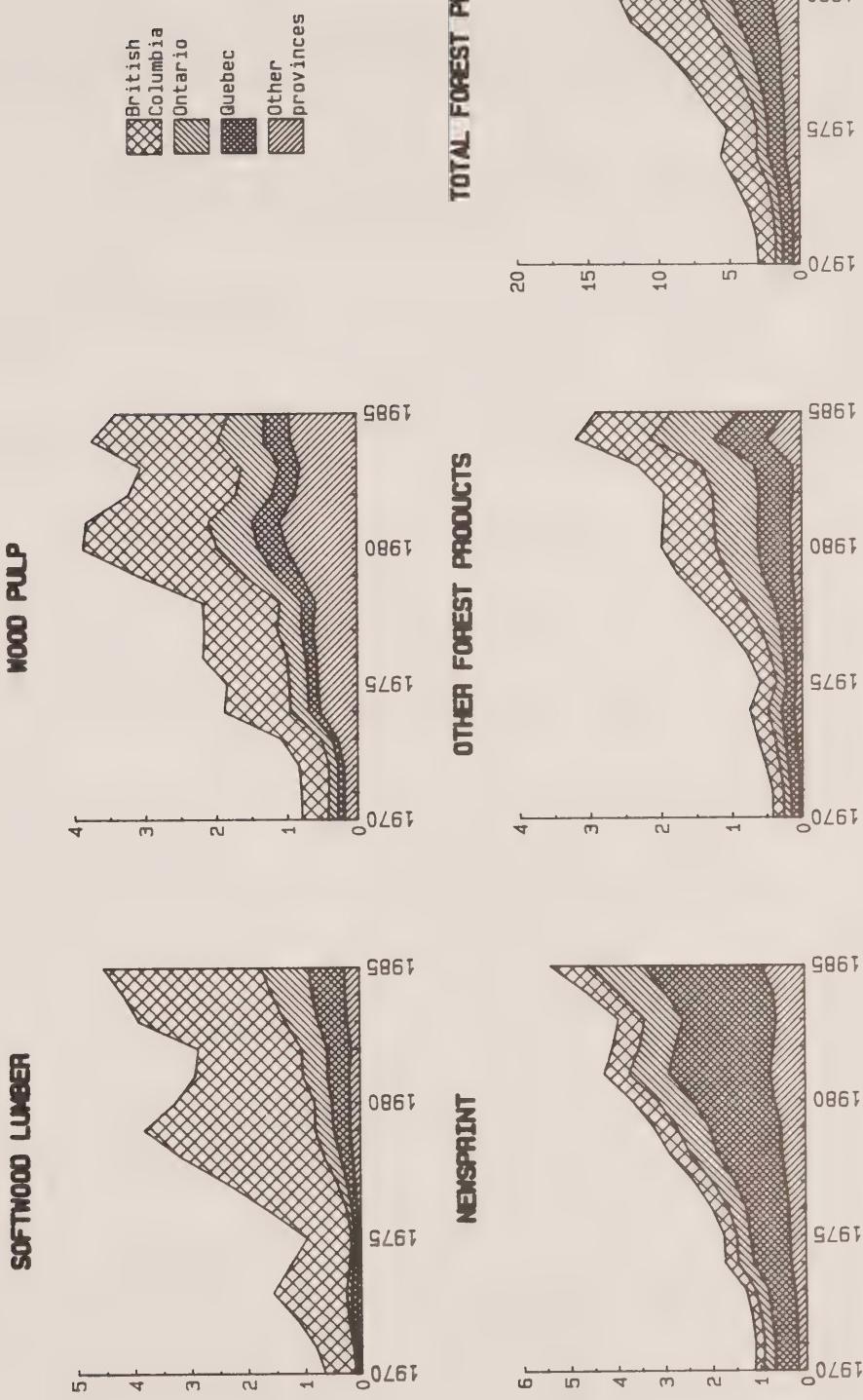


Figure 17. Exports of Canadian forest products by commodity group and region of lading/origin, 1970-1985.

Source: Statistics Canada, Cat. No. 65-202 and special compilation.

- 4: EXPORTS AND IMPORTS OF FOREST PRODUCTS (VALUE) BY COMMODITY GROUP, 1970-1986

	Year	Canada						Forest products (%)					
		Lumber	Plywood and veneer	Total softwoods	Particle-board and wood building board	Wood-pulp	Newsprint	Other paper and paperboard	Pulp-wood	Wood-chips	Wood materials	Other forest products	Total forest products
A. Exports													
1970	638	664	73	-	785	1 110	167	27	11	40	81	2 958	16 820
1971	799	830	71	-	798	1 084	174	19	17	28	95	3 116	17 820
1972	1 128	1 174	97	-	830	1 158	222	14	13	20	122	3 650	20 150
1973	1 559	1 600	128	-	1 082	1 288	287	12	16	19	150	4 582	25 421
1974	1 255	1 292	107	-	1 889	1 726	425	13	14	36	129	5 631	32 442
1975	949	975	90	-	1 834	1 746	305	11	14	36	119	5 130	33 328
1976	1 611	1 653	102	-	2 186	2 003	378	12	22	40	189	6 585	38 475
1977	2 339	2 389	149	-	2 158	2 382	471	12	35	59	280	7 935	44 554
1978	3 158	3 250	212	-	2 181	2 886	618	14	49	53	391	9 634	53 183
1979	3 821	3 903	248	-	3 083	3 222	827	15	54	77	469	11 898	65 641
1980	3 265	3 368	237	-	3 873	3 684	1 015	26	91	89	459	12 842	76 159
1981	2 916	3 029	222	-	3 819	4 326	966	25	98	77	490	13 053	83 811
1982	2 848	2 954	215	-	3 221	4 086	1 016	8	120	470	12 188	84 530	14 4
1983	3 896	3 997	258	92	3 049	3 956	1 148	12	89	174	486	13 261	90 613
1984	4 182	4 299	273	157	3 906	4 784	1 427	11	85	263	588	15 793	112 384
1985	4 524	4 630	249	201	3 399	5 408	1 486	8	83	203	623	16 290	119 241
1986 ^b	4 862	4 950	238	182	4 072	5 667	1 733	12	77	225	698	17 854	120 495
B. Imports													
1970	22	28	6	10	107	3	5	5	51	199	972	42 363	2 3
1971	27	45	11	15	120	3	4	4	50	105	564	23 325	2 4
1972	38	67	15	17	145	5	5	4	47	70	426	18 669	2 3
1973	60	99	78	23	17	-	188	4	-	64	152	790	31 722
1974	71	117	114	33	19	-	282	8	-	56	160	864	34 716
1975	71	110	124	30	30	-	346	9	-	55	174	992	37 494
1976	95	164	97	29	33	-	432	8	-	5	51	199	972
1977	96	171	72	25	35	-	402	11	-	5	51	199	972
1978	94	203	76	25	50	-	469	14	6	69	236	1 147	50 108
1979	127	271	89	26	79	-	546	21	6	94	296	1 428	62 871
1980	108	235	64	23	79	-	576	15	2	82	262	1 338	69 274
1981	130	276	113	29	83	-	722	17	3	75	310	1 628	79 482
1982	72	177	46	15	88	-	684	15	4	75	198	1 302	67 586
1983	123	281	88	21	86	-	876	13	7	102	166	1 640	75 520
1984	108	281	78	24	129	-	1 107	13	9	141	183	1 965	95 460
1985	112	281	79	28	132	-	1 141	16	9	157	191	2 034	104 914

including re-exports.

bB-exacts not axai | ah|e:

Source: Statistics Canada Cat. No. 65-202 and 65-203.

III - 5. BALANCE OF FOREST PRODUCTS (VALUE) BY COMMODITY GROUP, 1970-1985

Year	Lumber			Particle-board and wood building board			Wood-pulp			Other paper and paperboard			Pulp-wood			Wood chips			Other crude wood materials			Other forest products			Total forest products		
	Softwoods		Total	Plywood and veneer		Wood-pulp		Newsprint		Other paper and paperboard		Pulp-wood		Wood chips		Other crude wood materials		Other forest products		Total forest products		Total products		Canada			
\$000 000																											
1970	+ 616	+ 626	+ 45	- 6	+ 775	+ 1 110	+ 60	+ 24	+ 11	+ 13	+ 36	+ 2 694	+ 2 868	+ 2 694	+ 2 868	+ 2 694	+ 2 868	+ 2 694	+ 2 868	+ 2 694	+ 2 868	+ 2 694	+ 2 868	+ 2 694	+ 2 868	+ 2 694	+ 2 868
1971	+ 772	+ 785	+ 34	- 11	+ 783	+ 1 084	+ 54	+ 16	+ 17	- 2	+ 42	+ 2 803	+ 2 202	+ 2 803	+ 2 202	+ 2 803	+ 2 202	+ 2 803	+ 2 202	+ 2 803	+ 2 202	+ 2 803	+ 2 202	+ 2 803	+ 2 202	+ 2 803	+ 2 202
1972	+ 1 090	+ 1 107	+ 37	- 15	+ 813	+ 1 158	+ 77	+ 9	+ 13	- 27	+ 52	+ 3 224	+ 1 481	+ 3 224	+ 1 481	+ 3 224	+ 1 481	+ 3 224	+ 1 481	+ 3 224	+ 1 481	+ 3 224	+ 1 481	+ 3 224	+ 1 481	+ 3 224	+ 1 481
1973	+ 1 499	+ 1 501	+ 50	- 23	+ 1 065	+ 1 288	+ 99	+ 8	+ 16	- 31	+ 45	+ 4 018	+ 2 096	+ 4 018	+ 2 096	+ 4 018	+ 2 096	+ 4 018	+ 2 096	+ 4 018	+ 2 096	+ 4 018	+ 2 096	+ 4 018	+ 2 096	+ 4 018	+ 2 096
1974	+ 1 184	+ 1 175	- 7	- 33	+ 1 870	+ 1 726	+ 143	+ 5	+ 14	- 28	- 23	+ 4 841	+ 720	+ 4 841	+ 720	+ 4 841	+ 720	+ 4 841	+ 720	+ 4 841	+ 720	+ 4 841	+ 720	+ 4 841	+ 720	+ 4 841	+ 720
1975	+ 878	+ 865	- 34	- 30	+ 1 804	+ 1 746	- 41	+ 2	+ 14	- 20	- 41	+ 4 266	- 1 388	+ 4 266	- 1 388	+ 4 266	- 1 388	+ 4 266	- 1 388	+ 4 266	- 1 388	+ 4 266	- 1 388	+ 4 266	- 1 388	+ 4 266	- 1 388
1976	+ 1 516	+ 1 489	+ 5	- 29	+ 2 153	+ 2 003	- 54	+ 4	+ 22	- 15	+ 15	+ 5 593	+ 981	+ 5 593	+ 981	+ 5 593	+ 981	+ 5 593	+ 981	+ 5 593	+ 981	+ 5 593	+ 981	+ 5 593	+ 981	+ 5 593	+ 981
1977	+ 2 243	+ 2 218	+ 77	- 25	+ 2 123	+ 2 382	+ 69	+ 1	+ 30	+ 8	+ 81	+ 6 963	+ 2 191	+ 6 963	+ 2 191	+ 6 963	+ 2 191	+ 6 963	+ 2 191	+ 6 963	+ 2 191	+ 6 963	+ 2 191	+ 6 963	+ 2 191	+ 6 963	+ 2 191
1978	+ 3 064	+ 3 027	+ 136	- 25	+ 2 131	+ 2 886	+ 149	-	+ 43	- 16	+ 155	+ 8 487	+ 3 075	+ 8 487	+ 3 075	+ 8 487	+ 3 075	+ 8 487	+ 3 075	+ 8 487	+ 3 075	+ 8 487	+ 3 075	+ 8 487	+ 3 075	+ 8 487	+ 3 075
1979	+ 3 694	+ 3 632	+ 159	- 26	+ 3 004	+ 3 222	+ 281	- 6	+ 48	- 17	+ 173	+ 10 470	+ 2 770	+ 10 470	+ 2 770	+ 10 470	+ 2 770	+ 10 470	+ 2 770	+ 10 470	+ 2 770	+ 10 470	+ 2 770	+ 10 470	+ 2 770	+ 10 470	+ 2 770
1980	+ 3 157	+ 3 133	+ 173	- 23	+ 3 794	+ 3 684	+ 439	+ 11	+ 89	+ 7	+ 197	+ 11 504	+ 6 885	+ 11 504	+ 6 885	+ 11 504	+ 6 885	+ 11 504	+ 6 885	+ 11 504	+ 6 885	+ 11 504	+ 6 885	+ 11 504	+ 6 885	+ 11 504	+ 6 885
1981	+ 2 786	+ 2 753	+ 109	- 29	+ 3 736	+ 4 326	+ 244	+ 8	+ 95	+ 2	+ 180	+ 11 425	+ 4 329	+ 11 425	+ 4 329	+ 11 425	+ 4 329	+ 11 425	+ 4 329	+ 11 425	+ 4 329	+ 11 425	+ 4 329	+ 11 425	+ 4 329	+ 11 425	+ 4 329
1982	+ 2 776	+ 2 777	+ 169	- 15	+ 3 133	+ 4 086	+ 332	- 7	+ 94	+ 45	+ 272	+ 10 886	+ 16 674	+ 10 886	+ 16 674	+ 10 886	+ 16 674	+ 10 886	+ 16 674	+ 10 886	+ 16 674	+ 10 886	+ 16 674	+ 10 886	+ 16 674	+ 10 886	+ 16 674
1983	+ 3 773	+ 3 716	+ 170	+ 71	+ 2 963	+ 3 956	+ 272	- 1	+ 82	+ 72	+ 320	+ 11 621	+ 15 005	+ 11 621	+ 15 005	+ 11 621	+ 15 005	+ 11 621	+ 15 005	+ 11 621	+ 15 005	+ 11 621	+ 15 005	+ 11 621	+ 15 005	+ 11 621	+ 15 005
1984	+ 4 074	+ 4 018	+ 195	+ 133	+ 3 777	+ 4 784	+ 320	- 2	+ 76	+ 122	+ 405	+ 13 828	+ 16 924	+ 13 828	+ 16 924	+ 13 828	+ 16 924	+ 13 828	+ 16 924	+ 13 828	+ 16 924	+ 13 828	+ 16 924	+ 13 828	+ 16 924	+ 13 828	+ 16 924
1985	+ 4 412	+ 4 349	+ 170	+ 173	+ 3 267	+ 5 408	+ 345	- 8	+ 74	+ 46	+ 432	+ 14 256	+ 14 327	+ 14 256	+ 14 327	+ 14 256	+ 14 327	+ 14 256	+ 14 327	+ 14 256	+ 14 327	+ 14 256	+ 14 327	+ 14 256	+ 14 327	+ 14 256	+ 14 327

The + sign means surplus and the - sign means deficit.

Sources: Statistics Canada Cat. No. 65-202 and 65-203.

III - 6. DOMESTIC EXPORTS^a AND IMPORTS OF FOREST PRODUCTS (QUANTITY) BY COMMODITY GROUP, 1950-1985

Year	Logs and bolts	Pulpwood	Wood chips	Lumber			Shingles and shakes			Wood pulp			Newsprint			Other paper and paperboard	
				Softwoods		Total	1 000 m ³		1 000 m ³	1 000 m ³		1 000 m ²	1 000 m ³		1 000 m ²	1 000 t	
				1 000 m ³	1 000 m ³	1 000 t	1 000 m ³	1 000 m ³	1 000 m ³	1 000 m ³	1 000 m ³	1 000 m ²	1 000 m ³	1 000 m ²	1 000 t	1 000 t	
A. Exports																	
1950	••			194		7 971	8 399			27 164		1 675		4 480		106	
1960	••			718	10 494	10 768	18 120			2 360		5 616		211		626	
1970	1 295	2 636	881	17 299	17 621	20 462	5 063			7 339		7 339		714		714	
1971	786	1 857	768	19 775	20 121	24 321	5 150			7 075		7 075		863		863	
1972	332	1 398	607	22 761	23 112	25 126	5 165			7 353		7 353		898		898	
1973	230	1 267	722	23 186	23 534	25 018	6 054			7 628		7 628		1 992		1 992	
1974	752	1 202	588	19 283	19 562	19 358	6 526			7 910		7 910		913		913	
1975	416	947	471	15 309	15 466	18 798	4 997			6 354		6 354		664		664	
1976	569	905	704	22 613	22 832	24 841	6 116			7 000		7 000		788		788	
1977	928	764	916	28 817	29 059	28 206	6 096			7 267		7 267		1 369		1 369	
1978	670	891	1 111	31 419	31 715	33 369	6 641			7 868		7 868		610		610	
1979	856	797	1 165	31 285	31 548	33 221	7 102			7 778		7 778		733		733	
1980	1 164	1 066	1 343	29 016	29 290	32 638	7 253			7 718		7 718		931		931	
1981	963	903	1 307	27 263	27 506	30 786	6 999			7 986		7 986		1 644		1 644	
1982	1 260	287	1 151	27 566	27 807	30 303	6 115			7 081		7 081		1 942		1 942	
1983	2 274	434	1 387	33 887	34 113	38 137	6 806			7 379		7 379		2 040		2 040	
1984	3 408	408	1 305	37 066	37 335	42 427	7 030			8 127		8 127		1 992		1 992	
1985	2 517	378	1 118	38 626	38 867	43 776	7 025			8 776		8 776		-		-	
B. Imports																	
1950	••			98	187	10	33			10		33		23		23	
1960	••	••		326	544	101	58			1642	47	1642	47	139		139	
1970	1 608	304		399	597	1	-			796	75	796	75	199		199	
1971	1 822	281		458	716		-			574	96	574	96	249		249	
1972	2 668	445		545	905	1	704			287	83	287	83	297		297	
1973	2 261	339		704	1 075		-			865	56	865	56	332		332	
1974	1 882	651		753	1 124		-			187	82	187	82	432		432	
1975	1 658	555		856	1 187		-			197	84	197	84	516		516	
1976	1 947	494		935	1 512		-			228	87	228	87	645		645	
1977	1 764	585		764	1 45		-			145	-	145	-	449		449	
1978	2 013	672		625	1 45		-			149	-	149	-	429		429	
1979	2 364	897		785	1 409		-			173	-	173	-	417		417	
1980	2 039	559	96	671	1 197		-			195	-	195	-	380		380	
1981	1 631	591	86	807	1 361		-			895	-	895	-	501		501	
1982	1 577	500	51	506	895		-			150	-	150	-	393		393	
1983	2 359	457	97	773	1 341		-			292	-	292	-	528		528	
1984	2 807	440	118	626	1 203		-			641	-	641	-	641		641	
1985	2 963	556	157	663	1 197		-			1 992		1 992		659		659	

^aExcluding re-exports.

Sources: Statistics Canada Cat. No. 65-202 and 65-203.

III - 7. APPARENT DOMESTIC CONSUMPTION^a OF FOREST PRODUCTS (QUANTITY) BY COMMODITY GROUP, 1950-1985

Year	Logs and bolts	Pulpwood	Lumber			Wood pulp	Newsprint	Other paper and paperboard
			Softwoods		Total			
			1 000 m ³	1 000 m ³	1 000 m ³			
1950	**	**	6	537	7 253	6 045	345	1 272
1960	**	**	7	694	8 683	8 096	452	1 055
1970	75 957	38 070	8	549	9 564	11 593	657	2 829
1971	80 984	35 326	9	648	10 622	11 468	658	2 963
1972	83 547	37 475	9	508	10 793	11 934	726	3 237
1973	98 917	41 450	12	697	14 185	12 592	729	3 660
1974	86 425	47 483	12	150	13 686	13 208	800	4 027
1975	74 785	36 671	11	859	13 026	10 198	656	2 908
1976	98 513	36 421	13	960	15 502	11 914	1 063	3 585
1977	104 543	36 553	12	541	13 897	12 159	799	3 150
1978	112 879	37 820	12	782	14 317	13 640	871	3 456
1979	115 941	40 342	15	064	16 561	13 799	864	3 683
1980	110 832	38 276	15	179	16 902	13 579	650	3 466
1981	96 986	40 892	12	781	14 072	13 714	947	3 878
1982	89 186	31 297	9	304	10 540	12 549	704	3 437
1983	111 354	38 113	14	510	15 894	13 681	1 082	3 591
1984	116 653	42 083	11	268	12 857	13 808	823	4 010
1985	**	**	14	550	16 191	13 907	713	3 997

^aApparent domestic consumption = Production + Imports - Exports.

Source: Statistics Canada Cat. No. 25-201, 35-204, 36-204, 65-202 and 65-203.

III - 8. DOMESTIC EXPORTS^a OF FOREST PRODUCTS (VALUE) BY COMMODITY GROUP AND PROVINCE OR REGION OF LADING/ORIGIN, 1985

Commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Canada ^b
\$000													
A. Primary wood products	1 117	47	11 021	14 782	26 967	15 328	3 748	334	200	1 282	1 816	245 142	293 488
Logs, bolts - Total	137	-	7	2 398	2 542	1 943	790	29	-	-	29	158 118	163 908
- Softwood logs	-	-	-	820	820	34	74	9	-	-	9	156 076	157 494
Pulpwood - Total	942	1	876	3 434	5 253	2 899	12	222	-	-	222	13	8 399
- Unpeeled	-	-	3	3 261	3 264	2 220	7	9	-	-	9	8	5 509
Wood chips	-	-	1	5 474	5 475	2 577	1 173	-	-	-	-	74 010	83 235
Other primary products	38	46	10 137	3 476	13 697	7 909	1 772	83	200	1 282	1 565	13 002	37 946
B. Wood-fabricated materials	266	654	8 548	104 473	113 941	855 217	1 131 805	91 220	24 996	153 410	269 626	3 289 511	5 660 641
Lumber - Softwoods	203	302	6 213	72 267	78 985	620 541	840 714	84 809	14 501	104 292	203 602	2 779 237	4 523 590
- Hardwoods	26	14	387	1 800	2 227	32 242	34 275	1 313	7	58	1 378	1 607	71 728
Shingles and shakes	-	-	108	8 725	8 833	15 357	383	75	10	131	216	232 627	257 418
Veneer - Softwoods	-	-	-	51	31	620	2 146	-	-	48	48	11 903	14 747
- Hardwoods	-	-	76	76	546	698	33 914	45 913	-	-	148	148	2 142
Plywood - Softwoods	2	210	35	18	265	503	365	13	-	274	287	118 865	120 285
- Hardwoods	-	-	79	8	87	8 487	17 725	-	-	92	92	2 284	28 675
Other wood products	35	52	1 649	21 079	22 815	143 554	190 284	5 009	10 478	48 368	63 855	140 847	561 385
C. Wood pulp and paper products	316 159	888	337 525	900 087	1 554 660	3 269 536	2 301 232	86 297	79 871	252 007	418 175	2 729 576	10 273 178
Wood pulp - Total	-	72	144 506	494 093	638 671	335 958	501 180	7 776	75 496	240 165	323 437	1 594 547	3 393 791
- Chemical	-	72	144 370	390 609	535 051	335 348	501 179	7 751	75 496	240 142	323 389	1 518 979	3 213 945
Paper products	316 159	817	193 020	405 995	915 991	2 933 578	1 800 052	78 521	4 375	11 841	94 737	1 135 029	6 879 387
Newsprint	315 842	641	184 399	378 785	879 667	2 501 444	1 139 022	55 239	202	75	55 516	831 720	5 407 368
Other paper and paperboard	317	176	8 620	27 210	36 323	432 134	661 030	23 282	4 173	11 767	39 222	303 309	1 472 019
Book and writing paper	240	51	-	38	329	173 182	291 473	201	-	91	292	64 397	529 674
Fine paper	-	16	-	-	16	27 881	62 740	-	-	23	23	25 337	115 996
Tissue and sanitary	-	-	-	2	2	11 255	26 749	11	-	21	32	15 083	53 122
Wrapping and packaging	-	-	42	2	44	16 527	25 864	13 645	100	89	13 834	69 181	125 449
Paperboard	-	-	17	25 306	25 323	61 174	26 162	109	10	299	418	87 137	200 214
Building paper and board	7	50	7 750	782	8 589	50 285	63 399	6 044	717	7 947	14 708	15 066	152 045
Converted paper	9	165	38	214	27 878	81 726	268	-	1 378	1 646	1 173	112 338	112 045
Misc. paper products	62	57	646	1 041	1 806	63 952	82 917	3 004	3 347	1 919	8 270	25 936	182 881
Total forest products	317 542	1 589	357 094	1 019 342	1 695 567	4 140 081	3 436 785	177 851	105 067	406 699	689 617	6 264 229	16 227 308

^aExcluding re-exports.
^bIncludes Yukon.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 9. DOMESTIC EXPORTS^a OF FOREST PRODUCTS (QUANTITY) BY COMMODITY GROUP AND PROVINCE OR REGION OF LADING/ORIGIN, 1985

Commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic prov incs	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Canada ^b
A. Primary wood products													
Logs, bolts - Total (1 000 m ³)	1	-	--	77	79	13	6	--	--	--	2 415	2 517	
- Softwood logs	-	-	-	43	43	1	1	--	--	--	2 364	2 414	
Pulpwood - Total (1 000 m ³)	25	--	32	199	257	102	--	19	--	19	--	378	378
- Unpeeled	-	-	--	193	193	80	--	--	--	--	--	274	274
Wood chips (1 000 t)	-	-	--	121	121	36	16	--	--	--	946	1 117	
B. Wood-fabricated materials													
Lumber - Softwoods (1 000 m ³)	2	2	49	606	659	5 178	7 008	702	134	1 206	2 043	23 734	38 626
- Hardwoods	-	-	1	14	15	98	113	10	--	10	6	6	241
Shingles and shakes (1 000 m ²)	-	-	35	1 738	1 774	3 126	109	11	25	47	38	720	43 776
Veneer - Softwoods (1 000 m ³)	-	-	-	--	--	2	24	-	--	--	56	56	82
- Hardwoods	-	-	--	1	1	41	56	-	--	--	3	3	101
Plywood - Softwoods (1 000 m ³)	-	-	1	--	--	1	2	1	--	1	1	41 4	41 8
- Hardwoods	-	-	--	--	--	14	34	-	--	--	4	4	53
Other wood products (1 000 m ³)	-	-	10	26	36	242	536	10	58	213	281	367	1 463
C. Wood pulp and paper products (1 000 t)													
Wood pulp - Total	-	2	593	1 689	2 862	4 733	3 410	152	179	499	830	5 456	17 291
- Chemical	-	--	298	1 015	1 313	600	928	18	173	474	665	3 518	7 025
Paper products	578	2	297	762	1 059	598	928	18	173	474	665	3 314	6 565
Newsprint	578	2	295	675	1 549	4 133	2 482	134	6	26	165	1 937	10 266
Other paper and paperboard	--	--	281	604	1 464	3 632	1 701	88	--	--	89	1 389	8 275
Book and writing paper	--	--	14	71	85	502	781	46	5	25	76	548	1 992
Fine paper	--	--	--	--	--	203	369	--	--	--	78	78	651
Tissue and sanitary	--	--	--	--	--	30	67	-	--	--	23	23	120
Wrapping and packaging	--	--	--	--	--	12	25	--	--	--	17	17	53
Paperboard	--	--	--	--	--	15	19	28	--	--	29	148	211
Building paper and board	--	--	--	--	--	68	121	56	--	--	1	1	246
Converted paper	--	--	--	--	--	14	2	16	112	226	17	5	492

^aExcluding re-exports
^bIncludes Yukon.

Source: Statistics Canada Special Compilation, International Trade Division.

111 - 10. IMPORTS OF FOREST PRODUCTS (VALUE) BY COMMODITY GROUP AND PROVINCE OR REGION OF CLEARANCE, 1985

Commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Canada a
													\$000
A. Primary wood products	934	-	1 406	15 297	17 637	115 840	31 619	256	739	338	1 333	15 443	182 166
Logs, bolts - Total	-	-	2	6 565	6 568	109 818	14 357	31	5	-	36	1 974	132 753
- Softwood logs	-	-	2	4 452	4 454	88 449	2 572	3	-	3	1 956	97 434	
Pulpwood - Total	-	-	-	11	11	934	9 888	-	-	-	5 667	16 500	
- Unpeeled	-	-	-	11	11	920	9 429	-	-	-	5 667	16 027	
Wood chips	1	-	-	8 569	8 570	-	229	3	6	6	16	86	8 901
Other primary products	932	-	1 404	152	2 489	5 088	7 144	222	728	332	1 282	7 715	24 012
B. Wood-fabricated materials	375	55	3 230	10 672	14 333	118 211	257 750	19 382	5 281	13 087	37 750	150 371	578 420
Lumber - Softwoods	-	2	65	4 822	4 889	13 997	36 221	2 051	330	1 267	3 648	53 621	112 382
- Hardwoods	23	3	1 506	1 250	2 782	51 071	86 013	10 296	2 395	4 124	16 815	11 735	168 416
Shingles and shakes	-	-	-	-	-	-	-	-	-	-	-	-	-
Veneer - Softwoods	-	-	21	-	21	1 680	631	-	1	69	69	11 082	13 483
- Hardwoods	-	-	25	25	7 933	12 451	24	261	606	891	1 632	22 932	
Plywood - Softwoods	-	-	4	1	5	412	3 827	-	-	24	25	1 218	5 487
- Hardwoods	-	-	37	103	141	10 040	10 871	11	-	10	22	16 040	37 114
Other wood products	352	50	1 597	4 471	6 470	33 078	107 736	7 000	2 294	6 987	16 280	55 043	218 606
C. Wood pulp and paper products	2 272	62	5 115	47 478	54 927	291 966	747 980	44 850	3 076	23 724	71 650	106 899	1 273 432
Wood pulp - Total	-	-	3	5 911	5 913	38 059	68 769	-	-	571	571	18 555	131 869
- Chemical	-	-	5 909	5 909	32 729	63 691	-	-	563	563	18 545	121 457	
Paper products	2 272	62	5 112	41 568	49 014	253 907	679 211	44 850	3 076	23 153	71 079	88 344	1 141 563
Book and writing paper	42	-	168	23 088	23 298	49 247	93 971	8 294	176	3 061	11 531	9 475	187 522
Fine paper	12	-	55	7 401	7 468	27 849	93 953	12 819	536	4 143	17 499	12 143	158 912
Tissue and sanitary	31	-	166	861	1 058	18 679	17 636	310	4	98	412	559	38 344
Wrapping and packaging	2	-	51	1 426	1 478	10 480	21 200	6 109	12	201	6 322	1 266	40 746
Paperboard	1 404	-	880	2 049	4 334	23 096	78 291	4 146	124	7 327	11 598	17 476	134 795
Building paper and board	1	4	64	299	367	17 548	21 830	1 259	550	285	2 093	7 881	49 719
Converted paper	167	-	1 637	1 589	3 193	40 099	135 426	2 515	389	1 840	4 744	16 119	199 581
Misc. paper products	612	59	2 091	5 055	7 817	66 908	216 904	9 397	1 285	6 199	16 880	23 425	331 943
Total forest products	3 580	118	9 752	73 448	86 897	526 017	1 037 349	64 488	9 096	37 149	110 733	272 713	2 034 018

^aIncludes Yukon.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 11. IMPORTS OF FOREST PRODUCTS (QUANTITY) BY COMMODITY GROUP AND PROVINCE OR REGION OF CLEARANCE, 1985

Commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Canada
A. Primary wood products													
Logs, bolts - Total (1 000 m ³)	-	-	156	156	2 546	183	1	--	-	1	77	2 963	
- Softwood logs	-	-	117	117	2 247	74	--	-	-	-	77	2 516	
Pulpwood - Total (1 000 m ³)	-	-	1	1	28	360	-	-	-	-	184	573	
- Unpeeled	-	-	1	1	27	344	-	-	-	-	184	556	
Wood chips (1 000 t)	-	-	147	147	-	5	--	--	--	5	5	157	
B. Wood-fabricated materials													
Lumber - Softwoods (1 000 m ³)	-	-	39	40	85	168	12	2	8	21	349	663 ^a	
- Hardwoods	--	--	7	5	12	172	26	5	9	40	28	534	
Shingles and shakes (1 000 m ²)	-	-	-	-	-	-	-	-	-	-	-	-	
Veneer - Softwoods (1 000 m ³)	-	-	-	-	-	4	2	-	-	-	-	50	57
- Hardwoods	-	-	-	-	-	9	11	--	--	1	2	22	
Plywood - Softwoods (1 000 m ³)	-	-	-	-	-	1	11	--	--	--	4	16	
- Hardwoods	-	-	-	-	-	27	25	--	--	--	33	85	
Other wood products (1 000 m ³)	-	-	-	1	1	39	39	2	--	8	10	63	153
C. Wood pulp and paper products (1 000 t)													
Wood pulp - Total	3	-	2	41	47	225	465	32	2	17	51	95	883
- Chemical	-	-	11	11	65	117	-	-	1	1	1	30	224
Paper products	-	-	11	11	59	114	-	-	1	1	1	30	215
Newsprint	3	-	2	30	35	160	349	32	2	16	51	65	659
Other paper and paperboard	-	-	-	-	-	-	-	-	-	-	-	-	-
Book and writing paper	3	-	2	30	35	160	349	32	2	16	51	65	659
Fine paper	--	-	18	18	45	82	7	--	4	11	8	164	
Tissue and sanitary	--	-	6	6	18	50	7	--	2	9	9	93	
Wrapping and packaging	--	-	--	--	6	6	--	--	--	--	--	13	
Paperboard	3	-	1	3	2	15	19	10	--	10	1	1	48
Building paper and board	--	-	--	--	25	22	2	1	--	9	15	28	208
Converted paper	--	-	--	--	1	12	50	1	--	1	3	12	63

^aIncluding Yukon.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 12. DOMESTIC EXPORTS^a OF FOREST PRODUCTS (VALUE) BY COMMODITY GROUP AND MAJOR TRADE GROUP, 1985

Commodity	Europe						Asia				World ^b
	South America			United Kingdom		Other EEC	Scandinavia	Japan	Asia	Oceania	
	United States	Central Africa	Africa	United Kingdom	EEC	Europe	Europe	Japan	Asia	Oceania	
\$000											
A. Primary wood products											
Logs, bolts - Total	102 341	-	901	303	35	4 147	2 878	7 159	149 483	182 761	21 293 488
- Softwood logs	22 939	-	-	30	1 695	137	1 961	106 714	138 988	21 163 908	
Pulpwood - Total	20 672	-	-	1	23	-	26	106 448	136 774	21 157 494	
- Unpeeled	5 927	-	-	-	1 646	-	1 646	-	827	-	8 399
Wood chips	5 509	-	-	-	-	-	-	-	-	-	5 509
Other primary products	36 950	-	901	303	6	31	37	3 516	42 769	42 769	83 235
	36 526	-	-	-	-	-	-	-	-	-	37 946
B. Wood-fabricated materials											
Lumber - Softwoods	4 686 172	29 245	29 364	193 297	158 504	3 773	364 402	407 164	466 597	83 683	5 660 641
- Hardwoods	3 741 655	24 341	27 516	114 840	82 347	-	203 072	398 246	445 281	81 089	4 523 590
Shingles and shakes	33 594	1 481	745	9 377	16 670	1 291	27 968	3 233	7 887	38	71 728
Veneer - Softwoods	254 176	143	22	448	1 782	-	2 335	72	164	537	257 418
- Hardwoods	14 563	39	-	-	21	-	45	83	99	-	14 747
Plywood - Softwoods	67 015	25	283	451	6 284	1 623	9 345	552	6 080	66	82 815
- Hardwoods	9 425	381	34	57 496	46 313	636	105 117	4 468	4 478	814	120 285
Other wood products	28 417	67	8	-	161	-	161	-	13	-	28 675
	537 326	2 768	756	10 686	4 926	223	16 359	510	2 594	1 137	561 385
C. Wood pulp and paper products											
Wood pulp - Total	7 729 774	282 125	50 157	353 641	703 643	21 127	1 114 564	486 984	994 254	100 913	10 273 178
- Chemical	1 827 639	47 401	12 108	161 874	615 891	16 335	827 479	396 070	649 132	29 227	3 393 791
Paper products	5 902 135	234 725	38 019	119 084	612 885	16 335	781 681	356 860	600 547	29 227	3 213 945
Newsprint	4 688 940	183 280	23 692	158 724	54 948	44	216 157	48 560	345 122	71 687	6 879 387
Other paper and paperboard	1 213 195	51 443	14 357	33 042	32 805	4 748	70 927	42 354	106 315	15 369	1 472 019
Book and writing paper	512 447	3 867	1 448	90	85	-	199	6 187	9 224	2 488	529 674
Fine paper	99 882	6 745	782	262	113	-	412	16	6 009	2 166	115 996
Tissue and sanitary	47 481	872	475	994	66	5	1 065	-	987	2 239	53 122
Wrapping and packaging	59 663	6 241	4 480	12 601	7 403	1 663	21 667	14 298	33 282	115	125 449
Paperboard	85 713	22 312	4 360	13 494	21 974	2 452	37 921	19 850	49 594	281	200 214
Building paper and board	148 102	779	1	1 287	778	6	2 084	810	986	47	152 045
Converted paper	105 053	979	1 591	2 312	296	300	2 967	92	479	1 554	112 638
Misc. paper products	154 855	9 647	1 221	2 002	2 089	323	4 612	1 100	5 752	6 479	182 881
Total forest products	12 518 288	312 271	79 824	546 973	866 294	27 778	1 486 125	1 043 631	1 643 613	184 618	16 227 308

^aExcluding re-exports.^bIncludes St. Pierre and Miquelon and Greenland.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 13. DOMESTIC EXPORTS^a OF FOREST PRODUCTS (QUANTITY) BY COMMODITY GROUP AND MAJOR TRADE GROUP, 1985

Commodity	United States	South and Central America	Africa	Europe				Asia			
				United Kingdom	Other EEC	Scandinavia	Europe	Japan	Asia	Oceania	World ^b
A. Primary wood products											
Logs, bolts - Total (1 000 m ³)	519	-	-	-	8	1	10	1 461	1 988	-	2 517
- Softwood logs	467	-	-	-	8	-	1	1 457	1 946	-	2 414
Pulpwood - Total (1 000 m ³)	290	-	-	-	66	-	66	-	21	-	378
- Unpeeled	274	-	-	-	-	-	-	-	-	-	274
Wood chips (1 000 t)	579	-	-	-	8	45	53	485	485	-	1 118
B. Wood-fabricated materials											
Lumber - Softwoods (1 000 m ³)	33 811	189	199	868	391	-	1 280	2 348	2 745	397	38 626
- Hardwoods	170	4	2	17	28	2	48	7	18	-	241
Shingles and shakes (1 000 m ²)	43 295	29	4	59	252	-	326	9	26	86	43 776
Veneer - Softwoods (1 000 m ³)	81	--	-	-	--	-	--	1	1	-	82
- Hardwoods	83	--	--	--	7	2	11	1	7	-	101
Plywood - Softwoods (1 000 m ³)	17	1	--	214	158	3	377	20	20	3	418
- Hardwoods	51	--	--	-	1	-	1	-	-	-	53
Other wood products (1 000 m ³)	1 443	--	-	9	3	--	13	--	5	1	1 463
C. Wood pulp and paper products (1 000 t)											
Wood pulp - Total	518	84	677	1 506	47	2 311	1 075	2 208	181	17 291	
- Chemical	3 551	110	27	337	1 333	36	1 783	873	1 487	66	7 025
Paper products	3 359	91	27	252	1 323	36	1 687	755	1 333	66	6 565
Newsprint	8 436	407	57	340	173	11	529	201	721	116	10 266
Other paper and paperboard	6 949	325	38	273	92	--	370	100	483	109	8 275
Book and writing paper	1 487	82	19	67	81	11	159	101	237	7	1 992
Fine paper	627	5	2	--	--	-	--	10	15	3	651
Tissue and sanitary	102	7	1	--	--	-	--	--	8	2	120
Wrapping and packaging	49	1	1	--	--	--	1	-	1	1	53
Paperboard	72	12	7	30	18	4	52	30	67	-	211
Building paper and board	184	56	7	33	59	8	100	60	144	-	492
Converted paper	425	2	--	2	3	--	5	2	3	-	434
	27	--	1	1	--	--	1	--	--	1	30

^aExcluding re-exports.

^bIncludes St. Pierre and Miquelon and Greenland.

Source: Statistics Canada Special Compilation, International Trade Division.

111 - 14. DOMESTIC EXPORTS^a OF FOREST PRODUCTS (VALUE) BY MAJOR COMMODITY GROUP AND TRADE AREA AND BY PROVINCE OR REGION OF LADING/ORIGIN, 1985

III - 14. DOMESTIC EXPORTS^a OF FOREST PRODUCTS (VALUE) BY MAJOR COMMODITY GROUP AND TRADE AREA AND BY PROVINCE OR REGION OF LADING/ORIGIN, 1985 (CONCLUDED)

Trade area/ commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Canada	%
\$000														
China, People's Rep.	61 574	-	-	13 328	74 902	11 966	31	-	-	-	-	148 256	235 156	1.5
Softwood lumber	-	-	-	-	-	-	-	-	-	-	-	29 677	29 677	
Wood pulp	-	-	-	2 024	2 024	1 591	-	-	-	-	-	62 421	66 036	
Newsprint	61 574	-	-	11 304	72 878	10 332	-	-	-	-	-	15 499	98 709	
Japan	128	-	7 544	84 773	92 445	9 979	1 471	1 151	20 704	4 264	26 119	913 151	1 043 631	6.4
Softwood lumber	-	-	-	-	-	5	-	1 090	-	205	1 925	396 937	398 246	
Wood pulp	-	-	7 532	41 550	49 082	5 547	-	-	20 704	4 052	24 756	316 685	396 070	
Newsprint	127	-	-	42 086	42 213	2 317	-	-	-	-	-	4 030	48 560	
Southeast Asia	11 891	-	667	3 161	15 719	10 123	836	1 221	-	7	1 228	65 288	93 194	0.6
Softwood lumber	-	-	-	-	21	-	-	-	-	-	-	47	68	
Wood pulp	-	-	667	222	889	1 938	-	-	-	-	-	28 895	31 722	
Newsprint	11 891	-	-	2 193	14 084	7 176	83	-	-	-	-	21 702	43 045	
Australia	-	-	189	138	327	5 557	9 201	-	-	11	11	147 596	162 692	1.0
Softwood lumber	-	-	-	-	-	108	10	-	-	11	11	77 605	77 735	
Wood pulp	-	-	-	-	-	-	-	-	-	-	-	27 297	27 297	
Newsprint	-	-	-	-	-	2 697	-	-	-	-	-	38 485	41 182	
Other countries	9 945	15	3 179	14 043	27 182	50 637	11 677	199	361	45	605	215 080	305 179	
Softwood lumber	-	-	244	-	244	174	345	21	13	7	41	11 227	12 031	
Wood pulp	-	-	2 352	8 928	11 280	20 428	139	88	310	-	398	150 007	182 252	
Newsprint	9 874	16	-	4 117	14 007	11 968	132	-	-	-	-	33 461	59 566	
World	317 542	1 589	357 094	1 019 342	1 695 567	4 140 081	3 436 785	177 851	105 067	406 699	689 617	6 264 229	16 227 308	100.00
Softwood lumber	203	302	6 213	72 267	78 985	620 541	840 714	84 809	14 501	104 292	203 602	2 779 237	4 523 590 ^b	
Wood pulp	-	72	144 506	494 093	638 671	335 958	501 180	7 776	75 496	240 165	323 437	1 594 547	3 393 791	
Newsprint	315 842	641	184 399	378 785	879 667	2 501 444	1 139 022	55 239	202	75	55 516	831 720	5 407 368 ^b	

^aExcluding re-exports.

^bIncludes Yukon; the Yukon exported \$503 000 of softwood lumber to the United States and \$9 000 to Japan.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 15. DOMESTIC EXPORTS^a OF FOREST PRODUCTS (QUANTITY) BY MAJOR COMMODITY GROUP AND TRADE AREA AND BY PROVINCE OR REGION OF LADING/ORIGIN, 1985

III - 15. DOMESTIC EXPORTS^a OF FOREST PRODUCTS (QUANTITY) BY MAJOR COMMODITY GROUP AND TRADE AREA AND BY PROVINCE OR REGION OF LADING/ORIGIN, 1985 (CONCLUDED)

Trade area/ commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Canada
China, People's Rep.^b	-	-	-	-	-	-	-	-	-	-	-	246 076	246 076
Softwood lumber (m ³)	-	-	-	8 374	8 374	3 386	-	-	-	-	-	152 223	163 984
Wood pulp (+)	-	-	28 191	132 021	24 971	-	-	-	-	-	-	38 390	195 383
Newsprint (+)	103 830	-	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	15 828	111 588	127 416	10 800	-	6 756	-	621	7 377	2 340 749	2 348 236 ^b
Softwood lumber (m ³)	-	-	-	88 464	88 718	3 230	-	-	52 983	6 046	59 029	676 170	873 416
Wood pulp (+)	-	254	-	-	-	-	-	-	-	-	-	7 742	99 691
Newsprint (+)	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeast Asia	-	-	1 972	500	2 472	5 650	-	-	-	-	-	73 009	81 131
Softwood lumber (m ³)	-	-	3 985	28 835	14 397	155	-	-	-	-	-	47 299	90 686
Wood pulp (+)	-	24 850	-	-	-	-	-	-	-	-	-	-	-
Newsprint (+)	-	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	1 001	68	-	-	31	387 472	388 571	382
Softwood lumber (m ³)	-	-	-	-	-	-	-	-	-	-	-	61 172	61 172
Wood pulp (+)	-	-	-	-	-	-	-	-	-	-	-	72 131	77 828
Newsprint (+)	-	-	-	-	-	5 697	-	-	-	-	-	-	-
Other countries	-	-	-	-	-	-	-	-	-	-	-	-	-
Softwood lumber (m ³)	1	-	1 814	-	1 815	812	2 415	324	115	72	511	39 719	45 274
Wood pulp (+)	-	6 285	21 645	27 930	41 278	233	136	759	1	896	358 930	429 267	429 267
Newsprint (+)	22 404	16	-	7 744	30 164	21 271	192	-	-	-	-	66 227	117 852
World	-	-	-	-	-	-	-	-	-	-	-	-	-
Softwood lumber (m ³)	1 699	1 949	49 422	606 217	659 287	5 177 737	7 007 715 702 254 134 314 1	206 186 2 042 754 23 733 706	38 626 242	-	-	-	-
Wood pulp (+)	-	137	297 808	1 014 564	1 312 509	600 326	928 082	17 798 173 394	473 917	665 109	3 518 484	7 024 509	7 024 509
Newsprint (+)	577 697	1 533	280 681	604 239	1 464 150	3 631 567	1 700 997	87 946	344	301	88 591	1 389 394	8 274 698

^aExcluding re-exports.
^bIncluding Yukon; the Yukon exported 4 970 m³ of softwood lumber to the United States and 72 m³ to Japan.

Source: Statistics Canada Source Compilation, International Trade Division.

EXPORTS BY TRADE AREA
Billions of dollars

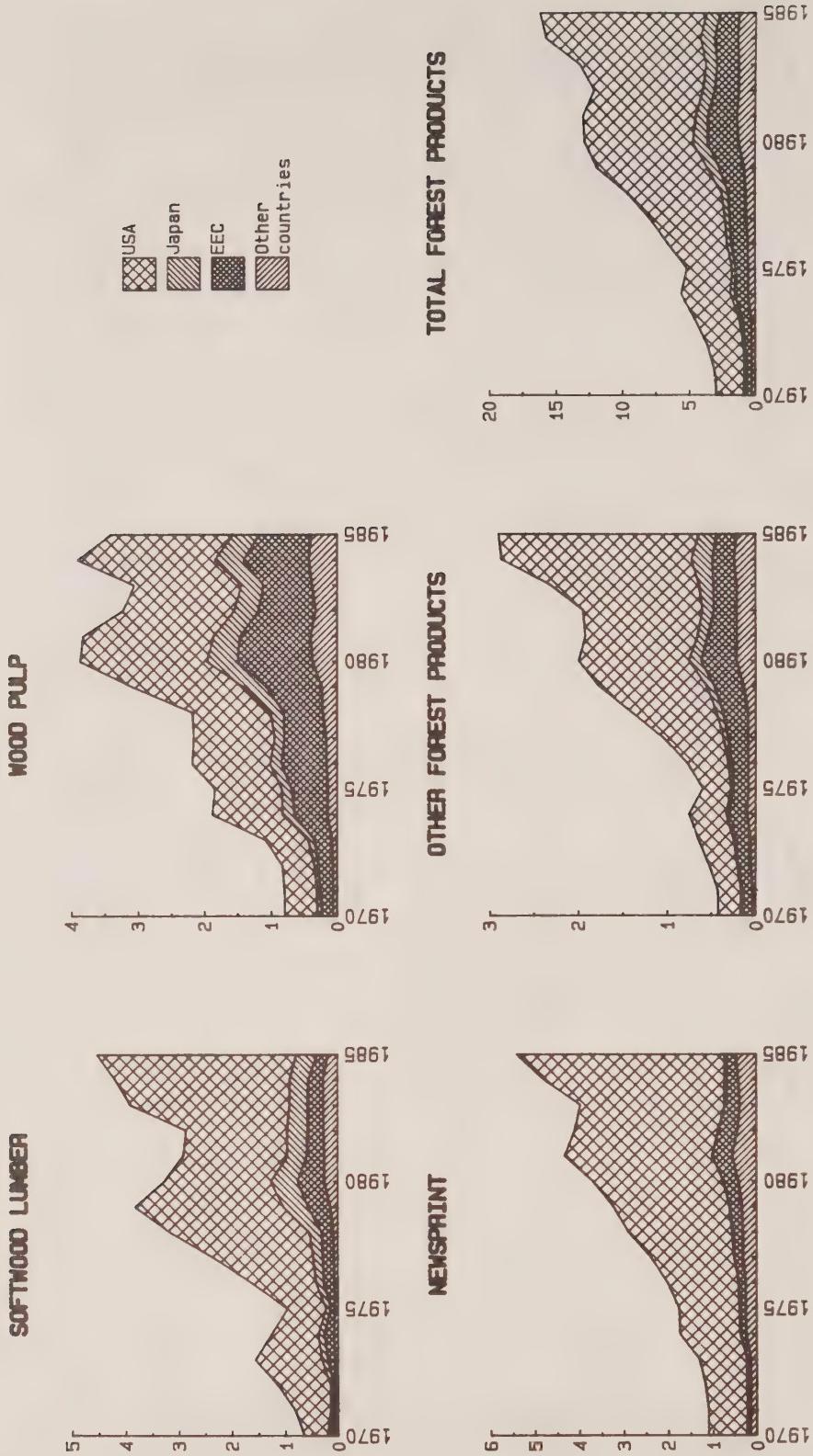


Figure 10. Exports of Canadian forest products by commodity group and principal trade area, 1970-1985.

Source: Statistics Canada, Cat. No. 65-202.

EXPORTS

Billions of dollars

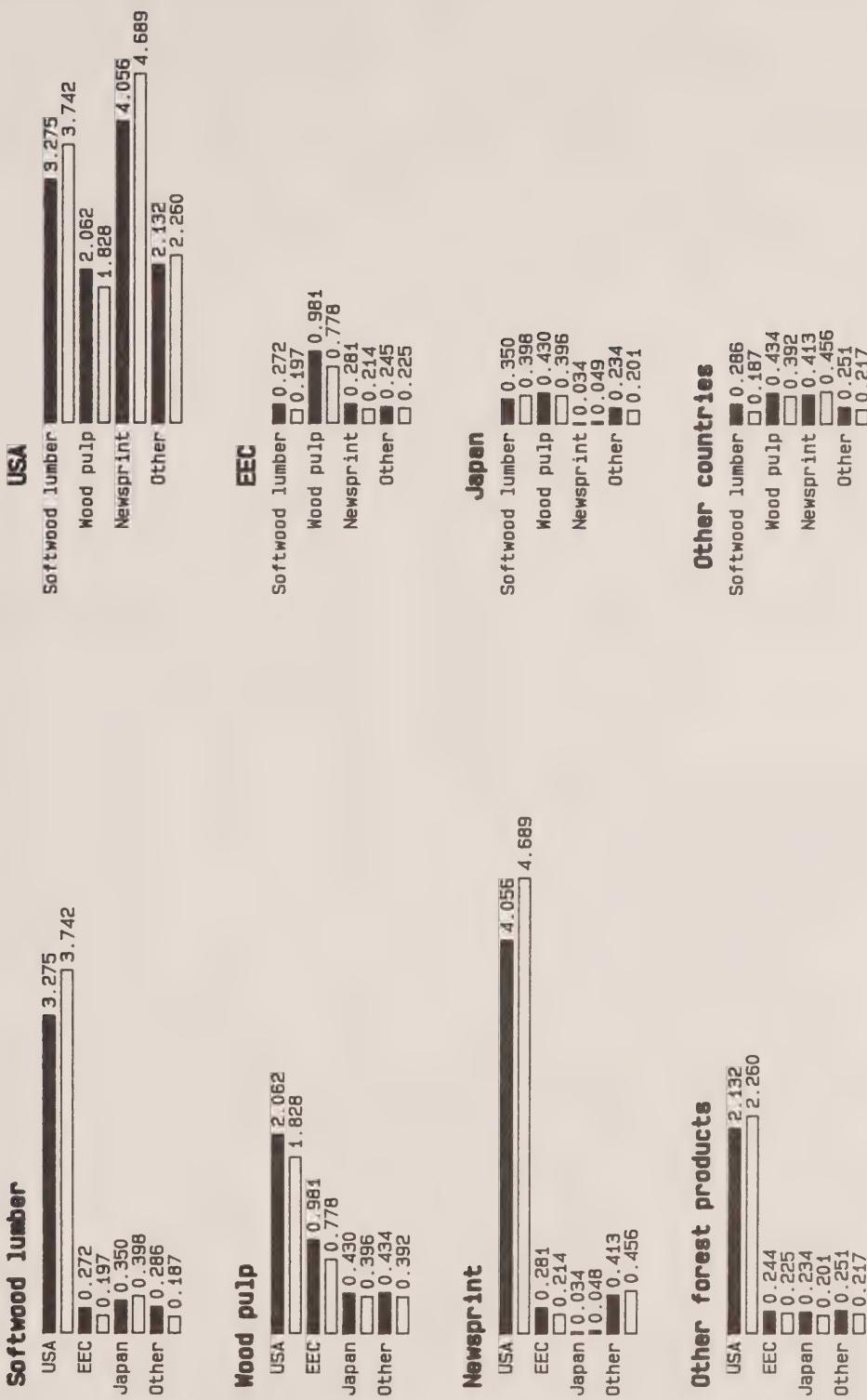


Figure 19. Exports of Canadian forest products by commodity group and principal trade area, 1984-1985.
1984 ■ 1985 □

Source: Statistics Canada, Cat. No. 65-202 and special compilation.

III - 16. DOMESTIC EXPORTS^a OF FOREST PRODUCTS (VALUE) BY MAJOR COMMODITY GROUP AND TRADE AREA^b, 1985

Trade area	Primary wood products		Wood-fabricated materials		Paper products		\$000	Total forest products
	Wood chips	Total	Softwood lumber	Total	Wood pulp	Newsprint		
\$000								
United States	36 950	102 341	3 741	655	4 686	172	1 827	639
Central America	-	901	24 037	28 312	18 043	73 006	115 431	162 686
Mexico	-	-	13	137	16 940	6 719	7 658	24 735
South America	-	-	304	933	29 358	110 274	119 294	149 585
Brazil	-	-	62	84	44	16 579	16 714	16 842
Chile	-	-	19	307	79	-	75	461
Venezuela	-	-	22	303	23 648	50 057	50 532	74 483
Africa	-	303	27 516	29 364	12 108	23 692	38 049	79 824
Algeria	-	-	24 761	25 201	5 258	901	1 477	31 936
Morocco	-	-	979	979	-	-	10	989
Middle East - Africa	-	-	1 349	1 401	1 246	21 508	22 571	25 219
- Asia	-	1 001	15 562	18 394	14 770	7 960	23 543	57 708
Europe	3 516	7 159	203 072	364 402	827 479	216 157	287 085	1 486 125
Western Europe	3 516	7 140	203 072	363 787	822 257	216 157	286 972	1 480 156
Economic Community	775	4 182	197 187	351 801	777 765	213 672	279 519	1 413 267
Belgium-Luxembourg	-	47	18 676	37 337	74 529	4 854	31 507	143 421
Denmark	-	-	77	10 447	660	21	65	11 172
France	-	790	20 554	31 336	96 221	3 295	4 074	132 421
Germany, Fed. Rep.	-	881	24 193	45 021	211 413	32 274	33 727	291 042
Greece	-	-	83	599	7 810	-	1 234	9 643
Ireland	-	-	792	4 343	3 749	2 054	2 249	10 341
Italy	775	2 429	14 203	19 315	118 169	4 713	6 395	146 308
Netherlands	-	-	3 769	10 105	103 340	7 736	8 502	121 946
United Kingdom	-	35	114 840	193 297	161 874	158 724	191 766	546 973
Scandinavia	2 741	2 878	-	3 773	16 335	44	4 792	27 778
Finland	1 087	1 223	-	816	-	-	3 128	5 167
Norway	924	924	-	787	240	44	191	2 143
Sweden	730	730	-	2 170	16 095	-	1 473	20 468
Other Western Europe	-	80	5 885	8 214	28 157	2 442	2 661	39 111
USSR	-	-	-	238	-	-	5	243
Other Eastern Europe	-	19	-	377	5 222	-	108	5 726
Asia	42 769	182 761	445 281	466 597	649 132	238 807	345 122	1 643 613
China, People's Rep.	-	26 518	29 677	29 770	66 036	98 709	112 832	235 156
Hong Kong	-	3	127	961	3 743	6 959	12 760	17 467
India	-	-	-	9	38 774	22 224	22 274	61 057
Japan	42 769	149 483	398 246	407 164	396 070	48 560	90 913	1 043 631
Korea, Rep. of (South)	-	5 333	1 448	3 738	50 188	-	3 682	62 941
Southeast Asia	-	11	68	427	31 722	43 045	61 034	93 194
Taiwan	-	412	153	6 123	36 767	8 764	10 384	53 685
Oceania	-	21	81 089	83 683	29 227	56 318	71 687	184 618
Australia	-	21	77 735	80 137	27 297	41 182	55 236	162 692
New Zealand	-	-	3 288	3 440	1 929	13 913	14 973	20 342
World	83 235	293 488	4 523 590	5 660 641	3 393 791	5 407 368	6 879 387	16 227 308

^aExcluding re-exports.^bSee Section X, for details on groupings of trade areas used in this table.

III - 17. DOMESTIC EXPORTS^a OF FOREST PRODUCTS (QUANTITY) BY MAJOR COMMODITY GROUP AND TRADE AREA^b, 1985

Trade area	Primary wood products		Wood-fabricated materials					Paper products		
	Roundwood	Wood chips	Softwood lumber	Shingles and shakes	Other wood products	Wood pulp	Newsprint	Total		
			m ³	t	m ³	m ²				
United States	809 778	579 042	33 811 299	43 295 344	1 846 108	3 550 642	6 948 988	8 435 971		
Central America	-	-	187 821	26 607	5 295	46 920	130 917	197 344		
Mexico	-	-	156	-	184	44 678	8 632	9 848		
South America	-	-	1 008	2 453	114	63 541	194 554	210 120		
Brazil	-	-	42	-	-	51	30 024	30 024		
Chile	-	-	59	-	-	171	-	90		
Venezuela	-	-	156	2 453	111	51 391	89 321	89 637		
Africa	-	-	198 785	3 586	1 855	26 891	38 343	56 927		
Algeria	-	-	170 340	-	12	11 524	1 600	2 589		
Morocco	-	-	15 334	-	-	-	-	-		
Middle East - Africa	-	-	9 975	-	40	2 597	34 657	35 993		
- Asia	21 039	-	143 269	-	3 951	34 141	17 731	53 059		
Europe	76 300	52 996	1 279 583	326 276	449 636	1 782 650	369 703	528 834		
Western Europe	76 246	52 996	1 279 583	326 276	449 161	1 770 961	369 703	528 738		
Economic Community	74 887	8 180	1 259 570	310 473	437 358	1 670 467	364 742	512 498		
Belgium-Luxembourg	77	-	108 720	11 864	48 712	164 171	7 118	77 589		
Denmark	-	-	510	725	30 010	1 398	37	37		
France	3 841	-	132 960	39 512	22 936	205 029	3 768	4 892		
Germany, Fed. Rep.	4 204	-	77 699	184 366	47 082	456 392	55 600	57 544		
Greece	-	-	352	-	816	15 276	-	1 792		
Ireland	-	-	7 209	-	8 729	4 442	3 392	3 459		
Italy	66 579	8 180	48 620	3 772	16 522	271 047	9 047	13 858		
Netherlands	-	-	15 386	11 548	19 112	215 347	12 825	13 785		
United Kingdom	186	-	868 115	58 687	240 439	337 366	272 954	339 542		
Scandinavia	1 133	44 816	-	-	6 793	35 709	69	11 317		
Finland	1 133	17 172	-	-	1 640	-	-	7 253		
Norway	-	18 290	-	-	1 832	498	69	90		
Sweden	-	9 354	-	-	3 321	35 211	-	3 975		
Other Western Europe	227	-	20 013	15 803	5 010	64 785	4 892	4 923		
USSR	-	-	-	-	101	-	-	-		
Other Eastern Europe	54	-	-	-	373	11 689	-	95		
Asia	2 008 654	485 462	2 745 371	26 329	49 775	1 486 652	483 437	720 934		
China, People's Rep.	445 177	-	246 076	-	147	163 984	195 383	237 332		
Hong Kong	-	-	1 126	-	1 767	7 962	12 867	22 466		
India	-	-	-	-	-	90 276	44 238	44 238		
Japan	1 461 188	485 462	2 348 236	8 835	27 908	873 416	99 691	201 154		
Korea, Rep. (South)	80 213	-	5 748	17 494	5 517	120 015	-	6 247		
Southeast Asia	136	-	382	-	247	81 131	90 686	125 674		
Taiwan	901	-	533	-	10 244	92 996	17 061	18 245		
Oceania	313	-	397 104	86 149	4 685	65 583	108 503	115 815		
Australia	313	-	388 571	67 894	4 633	61 172	77 828	84 223		
New Zealand	-	-	7 933	14 205	52	4 412	28 927	29 589		
World	2 895 044	1 117 500	38 626 242	43 776 033	2 357 837	7 024 509	8 274 698	10 266 428		

^aExcluding re-exports.^bSee Section X, for details on groupings of trade areas used in this table.

III - 18. IMPORTS OF FOREST PRODUCTS (VALUE) BY MAJOR COMMODITY GROUP AND TRADE AREA^a, 1985

Trade area	Primary wood products		Wood-fabricated materials		Paper products		Total forest products
	Wood chips	Total	Softwood lumber	Total	Wood pulp	Newsprint	
\$000							
United States	8 901	179 042	112 368	481 694	99 601	-	931 229 1 691 566
Central America	-	-	-	1 471	-	-	716 2 187
Mexico	-	-	-	507	-	-	496 1 003
South America	-	-	-	9 237	2 984	-	5 401 17 621
Brazil	-	-	-	6 933	2 984	-	5 212 15 129
Chile	-	-	-	186	-	-	122 308
Venezuela	-	-	-	469	-	-	- 469
Africa	-	-	-	1 809	-	-	30 1 839
Algeria	-	-	-	-	-	-	-
Morocco	-	-	-	-	-	-	-
Middle East - Africa	-	-	-	-	-	-	-
- Asia	-	-	-	29	-	-	1 30
Europe	-	2 941	14	21 517	1 565	-	184 306 210 329
Western Europe	-	2 941	14	20 327	1 565	-	183 875 208 708
Economic Community	-	93	14	10 688	189	-	106 393 117 363
Belgium-Luxembourg	-	-	-	143	-	-	5 531 5 674
Denmark	-	-	-	863	-	-	906 1 769
France	-	-	13	429	-	-	22 206 22 634
Germany, Fed. Rep.	-	93	--	2 869	189	-	28 249 31 400
Greece	-	-	-	10	-	-	35 45
Ireland	-	-	-	29	-	-	6 35
Italy	-	-	-	4 111	-	-	8 322 12 433
Netherlands	-	-	-	679	-	-	9 104 9 783
United Kingdom	-	-	-	1 555	-	-	32 035 33 590
Scandinavia	-	2 849	-	3 869	1 345	-	73 731 81 794
Finland	-	2 849	-	2 192	-	-	40 514 45 554
Norway	-	-	-	265	1 336	-	231 1 833
Sweden	-	-	-	1 412	9	-	32 986 34 407
Other Western Europe	-	-	-	5 770	31	-	3 750 9 551
USSR	-	-	-	1 030	-	-	- 1 030
Other Eastern Europe	-	-	-	160	-	-	431 591
Asia	-	168	-	62 441	-	-	19 357 81 966
China, People's Rep.	-	-	-	515	-	-	555 1 070
Hong Kong	-	-	-	2 026	-	-	1 131 3 157
India	-	-	-	127	-	-	35 161
Japan	-	-	-	2 795	-	-	14 791 17 586
Korea, Rep. of (South)	-	-	-	2 584	-	-	926 3 510
Southeast Asia	-	20	-	32 973	-	-	214 33 207
Taiwan	-	-	-	20 804	-	-	1 701 22 506
Oceania	-	-	-	252	-	-	517 769
Australia	-	-	-	131	-	-	110 240
New Zealand	-	-	-	121	-	-	407 529
World	8 901	182 166	112 382	578 420	131 869	-	1 141 563 2 034 018

^aSee Section X, for details on groupings of trade areas used in this table.

Source: Statistics Canada Cat. No. 65-203.

III - 19. IMPORTS OF FOREST PRODUCTS (QUANTITY) BY MAJOR COMMODITY GROUP AND TRADE AREA^a, 1985

Trade area	Primary wood products		Wood-fabricated materials			Paper products		
	Roundwood	Wood chips	Softwood lumber	Shingles and shakes	Other wood products	Wood pulp	Newsprint	Total
	m ³	t	m ³	m ²	m ³	t	t	t
United States	3 535 103	157 289	662 893	-	752 731	167 032	-	520 897
Central America	-	-	-	-	460	-	-	552
Mexico	-	-	-	-	113	-	-	535
South America	-	-	-	-	22 738	5 887	-	11 900
Brazil	-	-	-	-	19 964	5 887	-	11 216
Chile	-	-	-	-	16	-	-	493
Venezuela	-	-	-	-	2 700	-	-	-
Africa	-	-	-	-	5 136	-	-	32
Algeria	-	-	-	-	-	-	-	-
Morocco	-	-	-	-	-	-	-	-
Middle East - Africa	-	-	-	-	-	-	-	-
- Asia	-	-	-	-	-	-	-	-
Europe	308	-	109	-	9 843	3 289	-	121 276
Western Europe	308	-	109	-	6 272	3 289	-	119 952
Economic Community	308	-	109	-	3 848	370	-	50 311
Belgium-Luxembourg	-	-	-	-	6	-	-	2 525
Denmark	-	-	-	-	453	-	-	160
France	-	-	99	-	71	-	-	9 197
Germany, Fed. Rep.	308	-	9	-	1 172	370	-	15 549
Greece	-	-	-	-	-	-	-	23
Ireland	-	-	-	-	11	-	-	2
Italy	-	-	-	-	1 207	-	-	5 815
Netherlands	-	-	-	-	654	-	-	6 062
United Kingdom	-	-	-	-	687	-	-	10 978
Scandinavia	-	-	-	-	1 891	2 849	-	67 819
Finland	-	-	-	-	1 281	-	-	48 870
Norway	-	-	-	-	632	2 835	-	196
Sweden	-	-	-	-	452	15	-	18 752
Other Western Europe	-	-	-	-	1 151	70	-	1 822
USSR	-	-	-	-	3 193	-	-	-
Other Eastern Europe	-	-	-	-	378	-	-	1 324
Asia	249	-	-	-	77 842	-	-	3 960
China, People's Rep.	-	-	-	-	212	-	-	28
Hong Kong	-	-	-	-	809	-	-	8
India	-	-	-	-	-	-	-	6
Japan	-	-	-	-	6 466	-	-	2 837
Korea, Rep. of (South)	-	-	-	-	34	-	-	86
Southeast Asia	-	-	-	-	53 017	-	-	987
Taiwan	-	-	-	-	21 158	-	-	8
Oceania	-	-	-	-	991	-	-	442
Australia	-	-	-	-	1 265	-	-	31
New Zealand	-	-	-	-	43	-	-	411
World	3 536 104	157 289	663 002	-	866 789	224 033	-	659 080

^aSee Section X, for details on groupings of trade areas used in this table.

III - 20. BALANCE OF TRADE OF FOREST PRODUCTS (VALUE) BY MAJOR COMMODITY GROUP AND TRADE AREA^a, 1985

Trade area	Primary wood products		Wood-fabricated materials		Paper products		Total forest products	
	Wood chips	Total	Softwood lumber	Total	Wood pulp	Newsprint		
\$000								
United States	28 048	-76 589 ^b	3 629 567	4 211 113	1 731 167	4 689 037	4 984 159	10 849 849
Central America	-	901	24 129	27 135	18 043	73 006	114 813	160 892
Mexico	-	-	13	-370	16 940	6 719	7 162	23 732
South America	-	-	304	-8 130	26 374	110 274	113 894	132 138
Brazil	-	-	62	-6 850	-2 939	16 579	11 502	1 713
Chile	-	-	19	257	79	-	-47	289
Venezuela	-	-	22	-166	23 648	50 057	50 532	74 014
Africa	-	303	27 516	27 688	12 108	23 692	38 019	78 118
Algeria	-	-	24 761	25 201	5 258	901	1 477	31 936
Morocco	-	-	979	979	-	-	10	989
Middle East - Africa	-	-	1 349	1 401	1 246	21 508	22 571	25 219
- Asia	-	1 001	15 562	18 861	14 770	7 960	23 544	58 176
Europe	3 516	5 394	203 203	376 176	827 842	216 157	103 134	1 312 546
Western Europe	3 516	5 374	203 203	376 752	822 619	216 157	103 397	1 308 142
Economic Community	775	5 253	197 272	371 581	779 504	213 672	173 365	1 329 703
Belgium-Luxembourg	-	426	18 676	41 291	76 134	4 854	25 977	143 827
Denmark	-	-	77	10 253	660	21	-837	10 077
France	-	1 022	20 566	37 406	96 221	3 295	-18 036	116 613
Germany, Fed. Rep.	-	1 333	24 193	48 860	211 224	32 274	5 514	266 931
Greece	-	-	83	590	7 810	-	1 199	9 598
Ireland	-	-	792	4 698	3 749	2 054	2 243	10 690
Italy	775	2 429	14 203	16 265	118 482	4 713	-1 910	135 266
Netherlands	-	7	3 769	13 675	103 340	7 736	-591	116 431
United Kingdom	-	35	114 913	198 544	161 884	158 724	159 807	520 270
Scandinavia	2 741	29	-	2 230	14 990	44	-68 892	-51 643
Finland	1 087	-1 625	-	-704	-	-	-37 386	-39 715
Norway	924	924	-	661	-1 096	44	-40	449
Sweden	730	730	-	2 273	16 086	-	-31 466	-12 377
Other Western Europe	-	92	5 931	2 941	28 126	2 442	-1 077	30 082
USSR	-	-	-	-792	-	-	5	-787
Other Eastern Europe	-	19	-	216	5 222	-	-268	5 190
Asia	42 769	182 664	445 295	405 574	649 413	238 807	326 007	1 563 658
China, People's Rep.	-	26 518	29 677	29 305	66 036	98 709	112 277	234 136
Hong Kong	-	3	127	-1 061	3 743	6 959	11 645	14 330
India	-	-	-	-117	38 774	22 224	22 239	60 896
Japan	42 769	149 483	398 259	404 647	396 351	48 560	76 323	1 026 803
Korea, Rep. of (South)	-	5 333	1 448	1 286	50 188	-	2 756	59 563
Southeast Asia	-	3	68	-32 535	31 722	43 045	60 819	60 009
Taiwan	-	471	153	-14 233	36 767	8 764	8 707	31 712
Oceania	-	21	81 089	83 494	29 227	56 318	71 186	183 927
Australia	-	21	77 735	80 070	27 297	41 182	55 139	162 527
New Zealand	-	-	3 288	3 318	1 929	13 913	14 569	19 817
World	74 334	112 681	4 411 737	5 124 228	3 267 261	5 407 465	5 751 791	14 255 961

^aSee Section X, for details on groupings of trade areas used in this table.^bThe - sign means deficit.

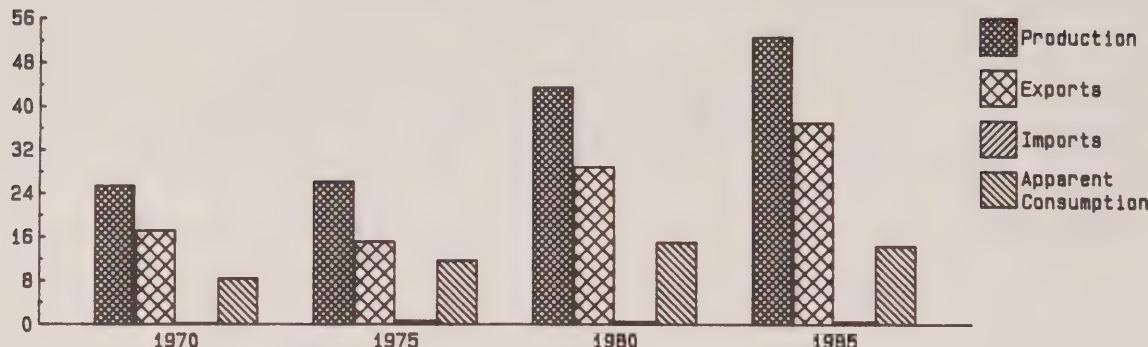
III - 21. BALANCE OF TRADE OF FOREST PRODUCTS (QUANTITY) BY MAJOR COMMODITY GROUP AND TRADE AREA^a, 1985

Trade area	Primary wood products			Wood-fabricated materials					Paper products												
	Roundwood m ³	Wood chips †	Softwood lumber m ³	Shingles and shakes m ²		Other wood products m ³	Wood pulp †	Newsprint †	Total †												
				33	150	690	43	308	852	1	099	110	3	390	596	6	949	085	7	918	340
United States	-2 724 610	421 753	33 150	690	43	308	852	1	099	110	3	390	596	6	949	085	7	918	340		
Central America	-	-	188	033	26	607	5	187	46	920	130	917	196	815							
Mexico	-	-	156	-	71	44	678	8	632	9	313										
South America	-	-	1 008	2 453	-22	624	57	653	194	554	198	219									
Brazil	-	-	42	-	-19	964	-5	836	30	024	18	808									
Chile	-	-	59	-	-16	171	-	-	-	-	-	-403									
Venezuela	-	-	156	2 453	-2	588	51	391	89	321	89	637									
Africa	-	-	198	785	3 586	-3 100	26	891	38	343	56	895									
Algeria	-	-	170	340	-	12	11	524	1	600	2	589									
Morocco	-	-	15	334	-	-	-	-	-	-	-	-									
Middle East - Africa	-	-	9	975	-	40	2	597	34	657	35	993									
- Asia	21 039	-	143	269	-	4 640	34	141	17	731	53	059									
Europe	79 865	52 996	1 280	456	326	276	488	000	1	783	277	369	703	407	789						
Western Europe	79 811	52 996	1 280	456	326	276	491	097	1	771	588	369	703	409	017						
Economic Community	78 402	8 180	1 259	834	310	473	477	830	1	674	014	364	742	462	414						
Belgium-Luxembourg	1 259	-	108	720	11	864	55	839	167	174	7	118	75	064							
Denmark	-	-	510	725	33	532	1	398	37	-	-123										
France	4 757	-	132	945	39	512	32	299	205	029	3	768	-4	094							
Germany, Fed. Rep.	5 599	-	77	690	184	366	55	813	456	022	55	600	41	995							
Greece	-	-	352	-	815	15	276	-	-	-	1 769										
Ireland	-	-	7	209	-	9	290	4	442	3	392	3	457								
Italy	66 579	8 180	48	620	3	772	16	982	271	724	9	047	8	043							
Netherlands	23	-	15	386	11	548	24	439	215	347	12	825	7	725							
United Kingdom	186	-	868	403	58	687	248	408	337	602	272	954	328	577							
Scandinavia	1 133	44 816	-	-	8	081	32	860	69	-	-56	498									
Finland	1 133	17 172	-	-	1	306	-	-	-	-	-41	618									
Norway	-	18 290	-	-	1	384	-2	337	69	-	-106										
Sweden	-	9 354	-	-	4	917	35	197	-	-	-14	774									
Other Western Europe	276	-	20	622	15	803	4	568	64	716	4	892	3	101							
USSR	-	-	-	-	-	-	-3	092	-	-	-	-									
Other Eastern Europe	54	-	-	-	-	-5	11	689	-	-	-1	228									
Asia	2 008 722	485 462	2 745	409	26	329	-25	679	1	487	280	483	437	717	004						
China, People's Rep.	445 177	-	246	076	-	-2	163	984	195	383	237	304									
Hong Kong	-	-	1 126	-	976	7	962	12	867	22	459										
India	-	-	-	-	-	90	276	44	238	44	232										
Japan	1 461 188	485 462	2 348	274	8	835	21	832	874	045	99	691	198	347							
Korea, Rep. of (South)	80 213	-	5 748	17	494	5	684	120	015	-	6	161									
Southeast Asia	272	-	382	-	-52	766	81	131	90	686	124	687									
Taiwan	1 083	-	533	-	-9	898	92	996	17	061	18	237									
Oceania	313	-	397	104	86	149	3	723	65	583	108	503	115	374							
Australia	313	-	388	571	67	894	3	398	61	172	77	828	84	192							
New Zealand	-	-	7 933	14	025	9	4	412	28	927	29	178									
World	-636 154	960 210	37 966	756	43	789	541	1	547	941	6 812	006	8 274	795	9 610	898					

^aSee Section X, for details on groupings of trade areas used in this table.

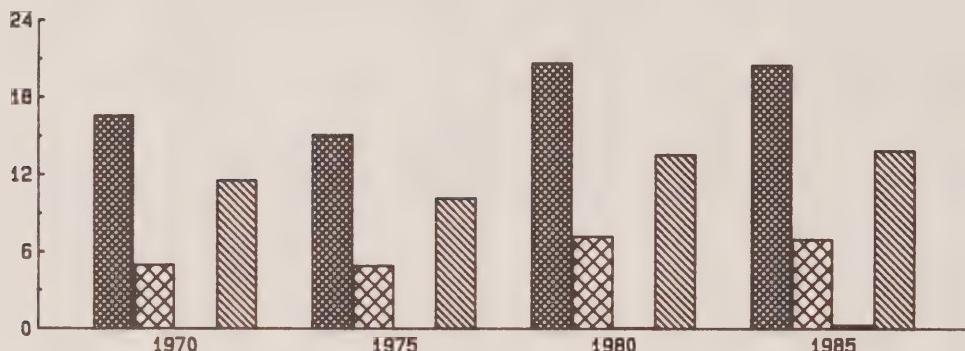
SOFTWOOD LUMBER

Millions of cubic metres



WOOD PULP

Millions of tonnes



NEWSPRINT

Millions of tonnes

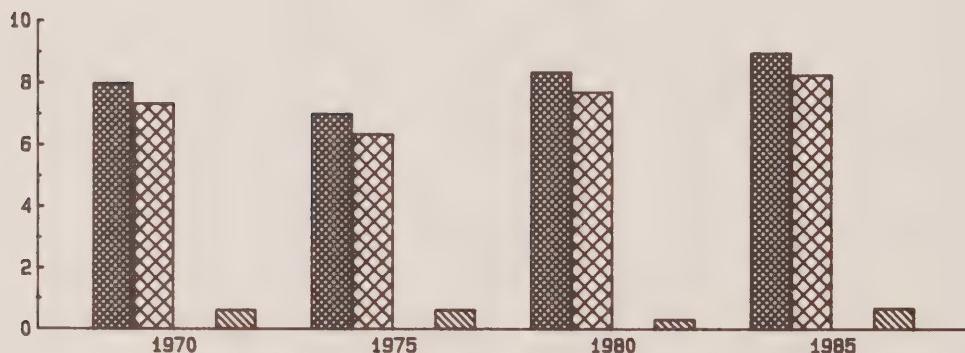


Figure 20. Production, trade and apparent domestic consumption of selected forest products, 1970-1985.

Source: Statistics Canada, Cat. No. 25-201, 35-204, 36-204, 65-202 and 65-203.

SECTION IV

PRINCIPAL STATISTICS

The **Census of Manufactures** is an annual survey of establishments primarily engaged in manufacturing, together with associated head offices, sales offices, and auxiliary units classified according to manufacturing industries. An establishment, usually a plant or a mill, is the smallest operating unit for which it is possible to provide a specified range of basic industrial statistics (essentially, employment data and the elements of input and output necessary to calculate value added).

Establishments providing data for the Census of Manufactures are classified according to the Standard Industrial Classification (SIC) system. Data are assigned to the various industries on the basis of the principal activity of the establishment.

This **classification system** is revised every 10 years and commencing with the 1983 data year, the Census of Manufactures has been compiled according to the 1980 version of the SIC.

In this section, 1970-1981 data have been compiled according to the 1970 version of the SIC and 1982-1984 according to the 1980 version.

Detailed definitions of all industries covered by this section can be found in the publication "Standard Industrial Classification, 1980," Catalogue 12-501.

The **headings** used in the principal statistics tables are briefly described in section X, "User's guide." For detailed definitions and some qualifications to the preceding explanations, see "Concepts and Definitions of the Census of Manufactures," Catalogue 31-528.

IV - 1. FOREST INDUSTRIES BY SECTOR, 1984

Sector	Establishments	Number	MANUFACTURING ACTIVITY				TOTAL ACTIVITY		
			Production and related workers		Fuel and electricity		Materials and supplies	Value of shipments of goods	Salaries and wages
			Person-hours paid	Wages					Total value added
		1 000				\$000 000			\$000 000
Logging	3 694	45 368	89 665	1 123	215	3 004	5 364	2 172	51 173
Wood Industries	3 561	86 205	174 980	2 028	351	5 657	9 973	4 006	102 941
Paper and allied industries	678	88 227	182 224	2 529	1 809	8 289	17 472	7 506	115 799
Total forest Industries (A)	7 933	219 800	446 869	5 680	2 375	16 950	32 809	13 684	269 913
Total manufacturing industries	36 464	1 240 816	2 583 486	28 295	7 306	136 134	230 070	88 668	1 722 044
Logging and manufacturing industries (B)	40 158	1 286 184	2 673 151	29 418	7 521	139 138	235 434	90 840	1 773 217
Percentage A from B	19.8	17.1	16.7	19.3	31.6	12.2	13.9	15.1	15.2
									16.6
									14.3

^aExcluding 2586 working owners and partners in the forest sector.

Source: Statistics Canada Cat. No. 25-201, 25-202, and 31-203.

STANDARD INDUSTRIAL CLASSIFICATION

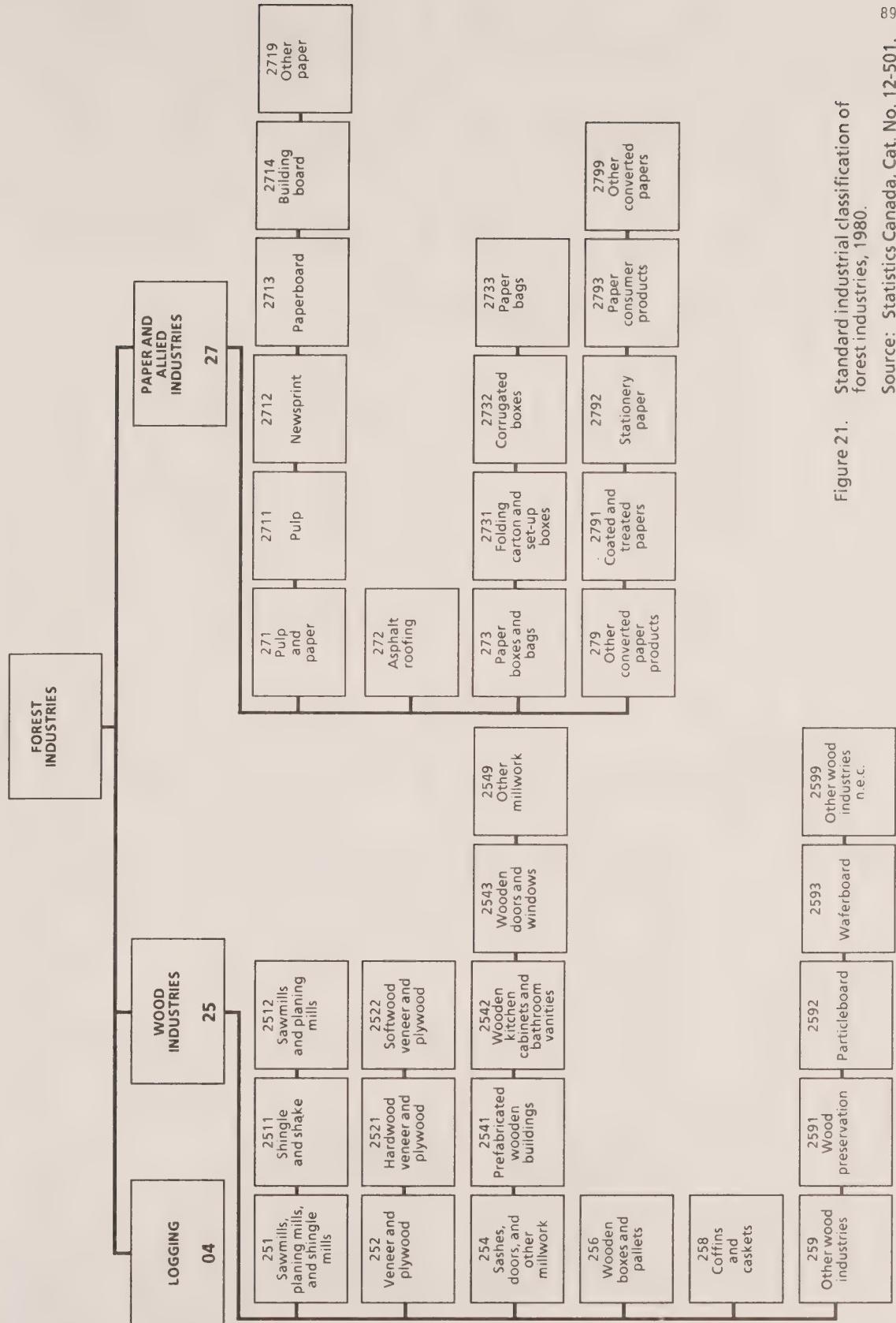


Figure 21.

Standard industrial classification of forest industries, 1980.

Source: Statistics Canada, Cat. No. 12-501.

Sector	S.I.C. ^b	Establishments	Number	MANUFACTURING ACTIVITY					TOTAL ACTIVITY			
				Production and related workers			Materials and supplies			Total employees ^a	Total value added	
				Person-hours paid	Wages	Fuel and electricity supplies	\$000 000	\$000 000	\$000 000	Number	\$000 000	
Sawmill, planing mill, and shingle mill products	251	1 429	50 895	102 916	1 321	246	3 722	6 404	2 468	60 415	1 626	2 468
Shingle and shake industry	2 511	101	1 537	3 099	37	3	139	58	1 648	1 648	41	57
Sawmills and planing mills	2 512	1 328	49 358	99 818	1 284	243	3 641	6 265	2 410	58 767	1 585	2 410
Veneer and plywood industry	252	81	8 037	15 632	200	31	453	795	317	9 174	241	323
Hardwoods	2 521	54	3 486	7 275	66	9	196	332	131	4 105	86	138
Softwoods	2 522	27	4 551	8 357	134	21	256	463	186	5 069	154	185
Sash, door, and other millwork	254	1 480	18 217	37 525	327	29	904	1 733	803	22 740	450	839
Prefabricated wooden building industry	2 541	81	1 269	2 495	22	2	114	188	72	2 032	42	86
Wooden kitchen cabinet, bathroom vanity industry	2 542	704	5 962	12 281	103	7	207	449	235	7 176	133	235
Wooden door and window Ind.	2 543	369	6 619	13 631	121	11	380	694	302	8 254	169	315
Other millwork industries	2 549	326	4 367	9 118	81	8	203	402	195	5 278	106	203
Wooden box and pallet industry	256	212	2 422	4 991	38	4	105	191	82	2 759	46	83
Coffin and casket industry	258	31	623	1 201	10	1	18	39	20	722	12	20
Other wood industries	259	328	6 011	12 716	132	41	455	810	316	7 151	166	319
Wood preservation	2 591	50	1 185	2 453	30	7	154	236	75	1 443	37	78
Particleboard	2 592	19	1 201	2 592	30	13	90	197	94	1 525	42	93
Waferboard	2 593	11	1 210	2 727	34	16	111	189	62	1 429	41	61
Other wood industries	2 599	248	2 415	4 944	38	5	100	189	86	2 734	45	86
Wood Industries	25	3 561	86 205	174 980	2 028	351	5 657	9 973	4 006	102 941	2 541	4 051

^aExcluding 955 working owners and partners.
^b1980 Standard Industrial Classification.

Source: Statistics Canada Cat. No. 25-202, 31-203, 35-204, 35-205, 35-206, 35-208, and 35-210.

IV - 3. PAPER AND ALLIED INDUSTRIES, 1984

Sector	S.I.C.b Establishments	MANUFACTURING ACTIVITY						TOTAL ACTIVITY		
		Production and related workers			Materials and supplies			Value of shipments of goods	Value added	Total employees ^a
		Person- hours paid	Wages	Fuel and electricity		\$000 000	\$000 000	Number	\$000 000	
Pulp and paper Industries	271	142	61 018	126 952	1 922	1 736	5 633	13 112	5 845	79 404
Pulp Industry	2 711	37	13 856	28 518	467	416	1 801	3 740	1 593	18 258
Newsprint Industry	2 712	43	30 669	64 317	969	915	2 564	6 191	2 925	39 537
Paperboard Industry	2 713	28	6 391	12 867	195	232	534	1 341	581	7 900
Building board Industry	2 714	8	815	1 685	21	17	28	97	52	928
Other paper Industries	2 719	26	9 287	19 565	271	155	905	1 742	694	12 781
Asphalt roofing Industry	272	17	1 168	2 366	27	12	216	354	131	1 537
Paper box and bag Industries	273	249	14 684	30 045	343	32	1 399	2 238	821	19 004
Folding carton and set-up box Industry	2 731	104	5 309	11 081	122	7	384	664	282	6 569
Corrugated box Industry	2 732	114	7 700	15 565	186	22	843	1 305	444	10 212
Paper bag Industry	2 733	31	1 675	3 398	35	3	172	269	95	2 223
Other converted paper products Industries	279	270	11 357	22 862	237	29	1 041	1 768	709	15 854
Coated and treated paper	2 791	42	2 289	4 755	47	7	233	391	157	3 216
Stationery paper products	2 792	78	2 975	5 946	59	4	195	366	168	4 227
Paper consumer products	2 793	14	1 539	2 973	38	4	251	370	113	2 240
Other converted paper products	2 799	136	4 554	9 187	94	15	362	641	271	6 171
Paper and allied Industries	27	678	88 227	182 224	2 529	1 809	8 289	17 472	7 506	115 799

^aExcluding 20 working owners and partners.

b1980 Standard Industrial Classification.

Source: Statistics Canada Cat. No. 36-204, 36-214, 36-215 and 36-216.

IV - 4. FOREST INDUSTRIES SUMMARY^a, 1965-1984

Year	Establishments	MANUFACTURING ACTIVITY						TOTAL ACTIVITY		
		Production and related workers			Materials and supplies			Value of shipments of goods	Value added	Salaries and wages
		Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added			Total value added
		1 000			\$000 000				Number	\$000 000
1965	7 363	216 375	475 944	1 046	215	2 855	5 555	2 530	262 469	1 349
1970	6 618	210 718	453 306	1 475	279	3 990	7 502	3 254	261 139	1 942
1971	6 247	208 632	445 919	1 592	318	4 220	7 978	3 461	258 839	2 090
1972	6 537	219 284	467 590	1 810	347	4 853	9 372	4 139	271 010	2 364
1973	6 844	237 514	500 889	2 155	398	6 163	11 821	5 475	292 324	2 793
1974	7 014	239 726	505 789	2 511	570	7 283	14 401	6 817	297 386	3 281
1975	6 330	222 915	446 718	2 489	562	6 574	13 110	6 151	278 681	3 336
1976	5 679	230 527	475 417	3 118	748	8 191	15 961	7 281	286 263	4 064
1977	5 320	229 348	471 405	3 455	901	8 912	17 888	8 130	282 568	4 482
1978	5 906	243 312	503 793	3 944	1 077	10 491	21 109	9 610	299 540	5 076
1979	6 784	249 993	517 679	4 416	1 244	12 964	25 317	11 520	307 580	5 680
1980	7 368	243 736	503 124	4 750	1 411	14 247	27 459	12 062	301 987	6 180
1981	7 428	233 790	473 013	5 011	1 703	14 841	28 601	12 180	291 996	6 624
1982	7 100	201 420	399 323	4 667	1 886	13 252	25 424	10 147	254 875	6 315
1983	7 633	211 645	431 978	5 355	2 109	15 370	29 326	11 976	262 216	6 987
1984	7 933	219 800	446 869	5 680	2 375	16 950	32 809	13 684	269 913	7 381

^aLogging, wood industries, and paper and allied industries.
Excluding working owners and partners.

Source: Statistics Canada Cat. No. 25-201 and 25-202.

IV - 5. FOREST INDUSTRIES SUMMARY BY PROVINCE, 1984

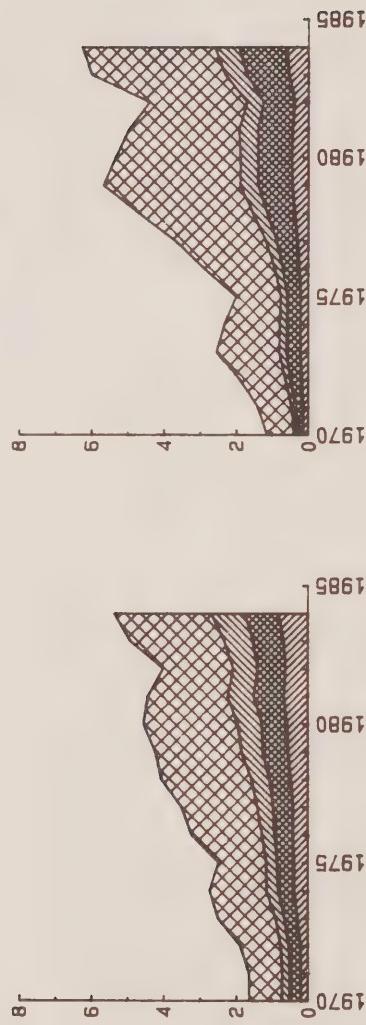
Province or territory	Establishments	MANUFACTURING ACTIVITY						TOTAL ACTIVITY		
		Production and related workers			Materials and supplies			Value of shipments of goods	Value added	Number
		Person- hours paid	Wages	Fuel and electricity	Material and supplies	Value added				
		1 000				\$000 000				\$000 000
Nfld.	142	x	x	x	x	x	x	x	x	x
P.E.I.	39	169	291	2	--	7	10	3	230	4
N.S.	356	4 767	9 834	104	62	323	684	306	6 104	143
N.B.	433	11 269	23 942	261	224	869	1 654	588	13 783	338
Que.	2 099	64 192	130 832	1 528	793	4 425	9 188	4 003	80 439	2 023
Ont.	1 633	57 594	119 830	1 415	515	4 559	8 571	3 605	72 045	1 889
Man.	167	3 472	7 197	73	26	237	440	182	4 264	97
Sask.	143	x	x	x	x	x	x	x	x	x
Alta.	367	6 819	14 049	180	41	573	1 087	479	8 473	235
B.C.	2 554	66 154	129 559	1 972	630	5 570	10 390	4 200	78 184	2 472
Yukon and N.W.T.	-	-	-	-	-	-	-	-	-	-
Total	7 933	219 800	446 869	5 680	2 375	16 950	32 809	13 684	269 913	7 381
										13 734

^aExcluding 2586 working owners and partners.

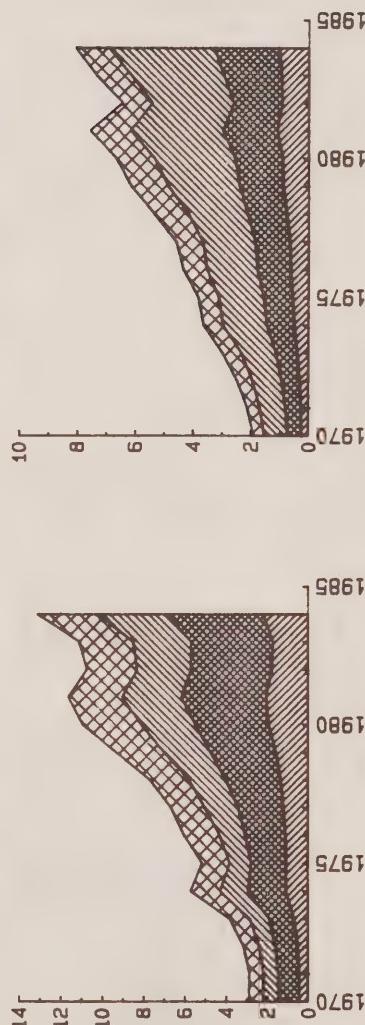
Source: Statistics Canada Cat. No. 25-201 and 25-202.

VALUE OF SHIPMENTS
Billions of dollars

SAWNILLS AND PLANING MILLS



OTHER FOREST INDUSTRIES



TOTAL FOREST INDUSTRIES



Figure 22. Value of shipments of goods of own manufacture in the forest industries by sector and region, 1970-1984.

Source: Statistics Canada, Cat. No. 25-201 and 25-202.

IV - 6. LOGGING BY PROVINCE, 1984

Province or territory	Establishments	MANUFACTURING ACTIVITY						TOTAL ACTIVITY			
		Production and related workers			Materials and supplies			Value of shipments of goods	Value added	Salaries and wages	Total value added
		Person- hours paid	Wages	Fuel and electricity	\$000 000	\$000 000	Number				
Nfld.	51	1 086	2 248	25	5	46	101	50	1 258	30	51
P.E.I.	9	11	16	--	--	--	--	--	--	--	--
N.S.	184	1 061	2 018	17	3	94	132	36	1 244	22	36
N.B.	265	3 887	7 781	75	16	187	370	172	4 542	91	172
Atlantic provinces	509	6 045	12 063	117	24	327	603	258	7 055	143	259
Que.	733	9 308	17 117	200	40	492	937	398	10 729	243	407
Ont.	484	8 264	17 283	231	45	515	923	391	9 515	276	395
Man.	43	490	937	11	2	36	56	19	586	14	18
Sask.	81	557	1 095	12	5	49	72	19	660	16	21
Alta.	114	665	1 392	17	3	60	96	30	778	21	30
Prairies	238	1 712	3 424	40	10	145	224	68	2 024	51	69
B.C.	1 730	20 039	39 779	537	97	1 527	2 676	1 058	21 850	611	1 062
Yukon and N.W.T.	-	-	-	-	-	-	-	-	-	-	-
Total	3 694	45 368	89 665	1 123	215	3 004	5 364	2 172	51 173	1 324	2 191

^aExcluding 1611 working owners and partners.

Source: Statistics Canada Cat. No. 25-201 and 25-202.

Province or territory	Establishments	MANUFACTURING ACTIVITY						TOTAL ACTIVITY		
		Production and related workers			Materials and supplies			Value of shipments of goods added	Salaries and wages	Total value added
		Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods added				
<hr/>										
		1 000			\$000 000					\$000 000
Nfld.	83	305	600	4	1	15	25	9	335	5 10
P.E.I.	30	158	275	2	--	7	10	3	219	4 7
N.S.	157	1 525	3 094	23	5	61	118	53	1 867	29 56
N.B.	151	3 060	6 570	51	11	175	284	102	3 503	62 102
<hr/>										
Atlantic provinces	421	5 048	10 540	80	18	257	438	168	5 924	100 175
Que. Ont.	1 159	23 417	49 027	429	84	1 297	2 387	1 037	28 603	551 1 045
	838	17 524	36 538	355	61	999	1 796	761	20 840	432 775
<hr/>										
Man.	100	1 638	3 296	28	3	75	135	59	1 932	36 59
Sask.	57	1 022	2 030	27	5	65	110	41	1 233	33 41
Alta.	225	4 506	9 142	112	22	297	539	223	5 508	142 237
Prairies	382	7 166	14 468	166	30	437	784	322	8 673	211 337
<hr/>										
B.C.	761	33 050	64 408	1 017	158	2 667	4 569	1 717	38 901	1 247 1 718
Yukon and N.W.T.	-	-	-	-	-	-	-	-	-	-
Total	3 561	86 205	174 980	2 028	351	5 657	9 973	4 006	102 941	2 541 4 051

^aExcluding 955 working owners and partners.

Source: Statistics Canada Cat. No. 25-202.

IV - 8. PAPER AND ALLIED INDUSTRIES BY PROVINCE, 1984

Province or territory	Establishments	MANUFACTURING ACTIVITY						TOTAL ACTIVITY		
		Production and related workers			Materials and supplies			Value of shipments of goods	Value added	Salaries and wages
		Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Number			
		1 000		\$000 000						\$000 000
Nfld.	8	x	x	x	x	x	x	x	x	x
P.E.I.	-	-	-	-	-	-	-	-	-	-
N.S.	15	2 181	4 722	64	54	168	434	217	2 993	92
N.B.	17	4 322	9 591	135	197	507	1 000	314	5 758	185
Que.	207	31 467	64 688	899	669	2 636	5 864	2 568	41 107	1 229
Ont.	311	31 806	66 009	849	409	3 045	5 852	2 453	41 690	1 181
Man.	24	1 344	2 964	34	21	126	249	104	1 746	47
Sask.	5	x	x	x	x	x	x	x	x	x
Alta.	28	1 648	3 515	51	16	216	452	226	2 187	72
B.C.	63	13 065	25 373	418	375	1 376	3 145	1 425	17 433	614
Yukon and N.W.T.	-	-	-	-	-	-	-	-	-	-
Total	678	88 227	182 224	2 529	1 809	8 289	17 472	7 506	115 799	3 516
										7 492

^aExcluding 20 working owners and partners.

Source: Statistics Canada Cat. No. 25-202.

IV - 9. INDUSTRIAL ROUNDWOOD PRODUCTION AND VALUE ADDED BY THE FOREST INDUSTRY, 1970-1984

Industrial roundwood production Year	Value added, manufacturing activity						Value added, total activity			
	Wood industries		Paper and allied Industries		Total forest Industries		Wood industries		Paper and allied Industries	
	Sawmills, logging mills	Total	Pulp and paper Industries	Total	Logging	Sawmills, logging mills	Total	Pulp and paper Industries	Total	
\$000 000										
1 000 m ³										
1970	117 324	683	436	790	1 323	1 781	3 254	694	439	802
1971	117 991	686	572	1 003	1 273	1 772	3 461	698	574	1 017
1972	120 748	814	865	1 397	1 374	1 928	4 139	829	869	1 422
1973	140 343	1 089	1 275	1 947	1 804	2 439	5 475	1 109	1 280	1 977
1974	134 416	1 221	976	1 708	3 034	3 888	6 817	1 244	983	1 748
1975	111 497	1 098	849	1 655	2 569	3 398	6 151	1 126	851	1 690
1976	135 227	1 300	1 262	2 207	2 845	3 774	7 281	1 348	1 268	2 236
1977	141 580	1 400	1 719	2 726	3 056	4 004	8 130	1 440	1 723	2 762
1978	150 918	1 564	2 257	3 507	3 504	4 539	9 610	1 647	2 260	3 550
1979	156 464	1 822	2 610	3 965	4 539	5 733	11 520	2 053	2 617	4 021
1980	150 649	1 927	2 085	3 398	5 350	6 737	12 062	2 049	2 089	3 466
1981	139 084	1 857	1 828	3 379	5 406	6 944	12 180	1 883	1 827	3 447
1982	121 343	1 616	1 489	2 662	4 535	5 869	10 147	1 650	1 494	2 708
1983	150 724	2 105	2 455	3 942	4 410	5 929	11 976	2 152	2 463	3 993
1984	160 867	2 172	2 410	4 006	5 845	7 506	13 684	2 191	2 410	4 051

Source: Statistics Canada Cat. No. 25-201 and 25-202.

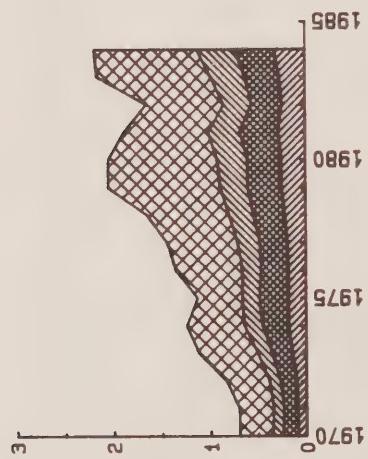
IV - 10. INDUSTRIAL ROUNDWOOD PRODUCTION AND VALUE ADDED BY THE FOREST INDUSTRY BY PROVINCE, 1984

Province or territory	Industrial roundwood production	Value added, manufacturing activity						Value added, total activity							
		Paper and allied industries			Pulp and paper industries			Total forest industries			Sawmills, planing mills				
		Wood industries	Sawmills, planing mills	Total	Pulp and paper industries	Total	Total	Logging	Logging	Total	Sawmills, planing mills	Total	Total		
	1 000 m ³	\$000 000	\$000 000	\$000 000	\$000 000	\$000 000	\$000 000	\$000 000	\$000 000	\$000 000	\$000 000	\$000 000	%		
Nfld.	2 240	50	5	9	121	x	x	51	5	10	120	x	x		
P.E.I.	126	--	1	3	--	3	--	1	7	--	7	-	-		
N.S.	3 263	36	28	53	193	217	306	2·2	36	29	185	211	303	2·2	
N.B.	8 109	172	63	102	302	314	588	4·3	172	63	296	307	582	4·2	
Atlantic provinces	13 738	258	96	168	616	x	x	259	97	175	601	x	x		
Que. Ont.	33 985 25 959	398 391	573 241	1 037 761	2 110 1 511	2 568 2 453	4 003 3 605	29·3 26·3	407 395	576 242	1 045 775	2 105 1 509	2 571 2 466	4 023 3 636	29·3 26·5
Man. Sask. Alta. Prairies	1 582 2 593 8 358 12 533	19 19 30 68	6 20 115 141	59 41 223 323	x x x x	104 41 226 279	182 x 479 x	1·3 x 3·5 x	18 21 30 69	59 41 237 140	6 20 114 140	104 x x 337	181 x 224 277	181 x 491 x	
B.C. Yukon and N.W.T.	74 556 96	1 058 --	1 359 x	1 717 --	1 329 --	1 425 --	4 200 --	30·7 --	1 062 --	1 355 --	1 718 --	1 310 --	1 411 --	30·5 --	
Total	160 867	2 172	2 410	4 006	5 845	7 506	13 684	100·0	2 191	2 410	4 051	5 802	7 492	13 734	100·0

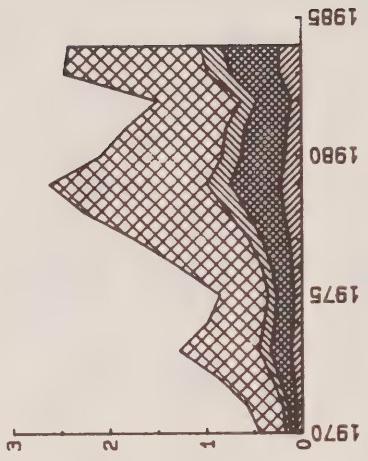
Source: Statistics Canada Cat. No. 25-201 and 25-202.

TOTAL VALUE ADDED
Billions of dollars

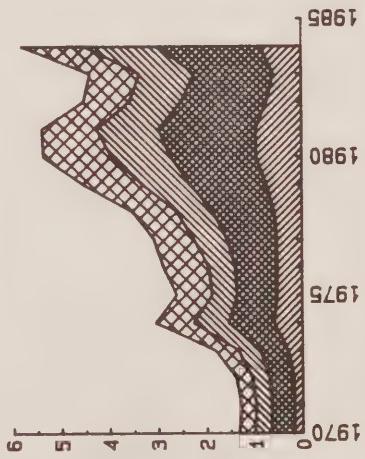
LOSSING



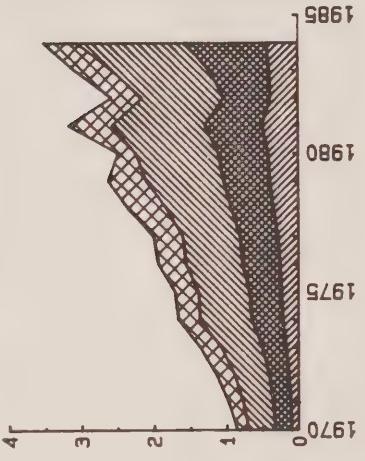
SAWMILLS AND PLANING MILLS



PULP AND PAPER MILLS



OTHER FOREST INDUSTRIES



TOTAL FOREST INDUSTRIES

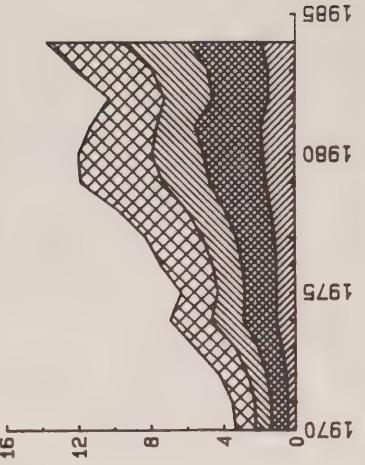


Figure 23. Total value added in the forest industries by sector and region, 1970-1984.

Source: Statistics Canada, Cat. No. 25-201 and 25-202.

Activity/ Province or Territory	Establish- ments	Number	MANUFACTURING ACTIVITY						TOTAL ACTIVITY			
			Production and related workers			Materials and supplies			Value of shipments of goods	Value added	Salaries and wages	Total value added
			Person- hours paid	Wages	Fuel and electricity				Number	\$000 000	\$000 000	
A. Sawmill, planing mill, and shingle mill industries (S.I.C. 251)												
Nfld.	62	196	378	2	--	4	9	5	199	3	5	
P.E.I.	19	60	73	--	--	1	2	1	60	--	1	
N.S.	101	972	1 920	14	4	28	60	28	1 151	17	29	
N.B.	89	2 166	4 821	37	8	121	191	66	2 385	42	66	
Atlantic provinces	271	3 394	7 191	53	12	154	262	100	3 795	62	100	
Que.	429	12 614	26 941	245	60	729	1 339	579	15 774	314	582	
Ont.	225	5 787	11 670	117	29	413	669	241	6 886	148	242	
Man.	18	320	560	6	1	18	24	6	358	7	6	
Sask.	8	429	793	13	2	31	52	20	502	15	20	
Alta.	47	2 325	4 733	63	12	144	269	115	2 589	72	114	
Prairies	73	3 074	6 086	82	14	193	345	141	3 449	95	140	
B.C.	431	26 026	51 029	823	132	2 233	3 790	1 407	30 511	1 007	1 403	
Yukon and N.W.T.	-	x	x	x	x	x	x	x	x	x	x	
Total	1 429	50 895	102 916	1 321	246	3 722	6 404	2 468	60 415	1 626	2 468	
B. Shingle and shake industry (S.I.C. 2511)												
N.B.	10	133	252	2	--	2	5	3	140	2	3	
Que.	14	203	444	3	--	4	10	6	225	4	6	
B.C.	77	1 201	2 403	31	3	75	124	48	1 283	35	48	
Total	101	1 537	3 099	37	3	81	139	58	1 648	41	57	

IV - 11. MAJOR WOOD INDUSTRIES - SELECTED PROVINCES, 1984 (CONTINUED)

Activity/ provin ce or territory	Estab lishments	Number	MANUFACTURING ACTIVITY				TOTAL ACTIVITY				
			Production and related workers		Materials and supplies		Value of shipments of goods		Salaries and wages		
			Person- hours paid	Wages	Fuel and electricity	\$000 000			Number	\$000 000	
C. Sawmill and planting mill products industry (S.I.C. 2512)											
Nfld.	62	196	378	2	---	4	9	5	199	3	5
P.E.I.	19	60	73	---	---	1	2	1	60	--	1
N.S.	101	972	1 920	14	4	28	60	28	1 151	17	29
N.B.	79	2 033	4 569	35	7	119	185	63	2 245	40	63
Atlantic provinces	261	3 261	6 939	51	12	152	257	96	3 655	60	97
Que.	415	12 411	26 497	242	59	725	1 329	573	15 549	311	576
Ont.	225	5 787	11 670	117	29	413	669	241	6 886	148	242
Man.	18	320	560	6	1	18	24	6	358	7	6
Sask.	8	429	793	13	2	31	52	20	502	15	20
Alta.	47	2 325	4 733	63	12	144	269	115	2 589	72	114
Prairies	73	3 074	6 086	82	15	193	345	141	3 449	94	140
B.C.	354	24 825	48 625	792	129	2 158	3 666	1 359	29 228	972	1 355
Yukon and N.W.T.	-	x	x	x	x	x	x	x	x	x	x
Total	1 328	49 358	99 818	1 284	243	3 641	6 265	2 410	58 767	1 585	2 410
D. Veneer and plywood industries (S.I.C. 252)											
Que.	27	1 457	3 051	25	4	116	177	58	1 769	34	60
Ont.	24	1 889	3 938	36	5	69	139	68	2 176	46	72
B.C.	22	4 121	7 574	125	19	230	419	169	4 568	143	168
Others	8	570	1 069	14	3	38	60	22	661	18	23
Total	81	8 037	15 632	200	31	453	795	317	9 174	241	323

IV - 11. MAJOR WOOD INDUSTRIES - SELECTED PROVINCES, 1984 (CONTINUED)

IV - 11. MAJOR WOOD INDUSTRIES - SELECTED PROVINCES, 1984 (CONTINUED)

Activity/ Province or Territory	Establishments	Manufacturing Activity						Total Activity		
		Production and related workers		Fuel and Electricity		Materials and supplies		Value of shipments of goods	Value added	Salaries and wages
		Person- hours paid	Wages	1 000	Wages	1 000	\$000 000			Total value added
I. Other millwork industries (S.I.C. 2549)										
N.S.	9	118	253	2	—	5	10	5	140	2
N.B.	9	57	123	1	—	2	4	2	66	1
Atlantic provinces	22	191	430	3	1	10	19	8	239	4
Que.	93	1 361	2 786	23	3	57	118	60	1 620	30
Ont.	90	1 552	3 308	27	2	65	137	71	1 823	35
Man.	12	206	412	3	—	9	17	8	261	5
Sask.	13	121	258	2	—	6	11	5	154	3
Alta.	38	316	671	6	1	17	32	14	421	10
Prairies	63	643	1 341	11	1	32	60	27	836	18
B.C.	58	610	1 252	15	1	38	69	28	760	20
Others	4	26	55	2	—	4	4	2	33	—
Total	326	4 367	9 118	81	8	203	402	195	5 278	106
J. Wooden box and pallet industry (S.I.C. 256)										
N.S.	8	62	129	1	—	2	4	2	65	1
N.B.	9	70	115	x	—	2	3	1	75	1
Que.	70	745	1 535	11	1	26	50	22	839	14
Ont.	96	1 256	2 613	19	2	59	105	44	1 445	23
Man.	5	72	143	1	—	3	6	2	79	1
Alta.	7	87	188	2	—	5	9	4	99	2
Others	17	130	268	4	1	8	14	7	157	4
Total	212	2 422	4 991	38	4	105	191	82	2 759	46
										83

IV - 11. MAJOR WOOD INDUSTRIES - SELECTED PROVINCES, 1984 (CONCLUDED)

Activity/ province or territory	Establish- ments	Number	MANUFACTURING ACTIVITY				TOTAL ACTIVITY			
			Production and related workers				Total employees ^a			
			Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Salaries and wages	Total value added
			1 000		\$000 000	\$000 000			Number	\$000 000
K. Coffin and casket industry (S.I.C. 258)										
Que.	12	383	727	6	1	11	24	13	452	8
Ont.	6	133	256	2	--	3	7	4	148	3
Alta.	4	32	66	1	--	1	2	1	36	1
Others	9	75	152	1	-	3	6	2	86	-
Total	31	623	1 201	10	1	18	39	20	722	12
L. Other wood industries (S.I.C. 259)										
P.E.I.	5	13	24	--	--	1	--	1	13	--
N.S.	13	69	149	1	--	8	14	5	79	2
N.B.	13	370	754	6	3	29	48	16	462	9
Que.	95	1 802	3 770	35	9	111	229	108	2 177	46
Ont.	106	2 385	5 182	53	17	173	299	114	2 782	66
Alta.	21	444	944	12	6	39	70	24	504	14
B.C.	59	634	1 242	17	4	68	109	36	761	21
Others	16	294	651	8	2	27	40	13	353	8
Total	328	6 011	12 716	132	41	455	810	316	7 131	166
										319

^aExcluding working owners and partners.

Source: Statistics Canada Cat. No. 25-202, 35-204, 35-205, 35-206, 35-208, 35-209 and 35-210.

Activity/ Province or Territory	Establish- ments	Number	MANUFACTURING ACTIVITY				TOTAL ACTIVITY		
			Production and related workers		Materials and supplies	Value of shipments of goods	Value added	Salaries and wages	Total value added
			Person- hours paid	Wages					
		1 000			\$000 000			Number	\$000 000
A. Pulp and paper industries (S.I.C. 271)									
Nfld.	3	1 816	x	x	x	x	121	2 202	x 120
N.S.	5	1 767	3 925	57	51	379	193	2 394	80 185
N.B.	11	4 102	9 165	130	196	482	302	5 453	178 296
Que.	57	23 649	48 616	726	645	1 902	4 650	2 110	30 628 980
Ont.	34	15 867	33 666	497	372	1 515	3 362	1 511	20 447 673 1 509
B.C.	24	11 855	23 020	384	371	1 227	2 897	1 329	15 767 564 1 310
Others	8	1 962	8 560	128	101	367	861	279	2 513 163 277
Total	142	61 018	126 952	1 922	1 736	5 633	13 112	5 845	79 404 2 638 5 802
B. Pulp industry (S.I.C. 2711)									
N.B.	6	2 093	4 578	71	100	284	508	146	2 884 102 138
Que.	6	1 509	3 079	48	42	231	484	213	1 994 67 206
Ont.	5	2 906	6 408	96	70	360	705	296	3 708 125 296
B.C.	16	5 777	11 011	191	171	712	1 536	675	7 576 273 659
Others	4	1 571	3 442	61	33	214	507	263	2 096 85 255
Total	37	13 856	28 518	467	416	1 801	3 740	1 593	18 258 652 1 554

IV - 12. MAJOR PAPER AND ALLIED INDUSTRIES - SELECTED PROVINCES, 1984 (CONTINUED)

Activity/ provinc e or territory	Establish- ments	MANUFACTURING ACTIVITY				TOTAL ACTIVITY		
		Production and related workers				Total employees ^a		
		Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Salaries and wages
		1 000	\$000	000	\$000	000	\$000	\$000 000
C. Newsprint Industry (S.I.C. 2712)								
Nfld.	3	1 816	x	x	x	x	121	2 202
Que.	22	14 613	30 351	467	430	2 797	1 321	18 443
Ont.	9	6 882	14 118	216	173	1 436	690	9 093
B.C.	4	4 579	9 146	143	152	1 025	517	6 129
Others	5	2 779	10 702	143	160	383	933	276
Total	43	30 669	64 317	969	915	2 364	6 191	2 925
D. Paperboard Industry (S.I.C. 2713)								
Que.	11	2 577	5 054	79	95	250	565	246
Ont.	11	2 309	4 813	68	65	171	452	217
Others	6	1 505	3 000	48	72	133	324	118
Total	28	6 391	12 867	195	232	534	1 341	581
E. Asphalt roofing Industry (S.I.C. 2722)								
Que.	4	415	885	10	4	62	116	49
Ont.	6	459	922	9	4	95	144	46
Alta.	3	188	387	5	2	39	62	25
Others	4	106	172	3	2	20	32	11
Total	17	1 168	2 366	27	12	216	354	131

Activity/ provinc e or territory	Estab- lishments	Number	MANUFACTURING ACTIVITY				TOTAL ACTIVITY			
			Production and related workers		Materials and supplies		Value of shipments of goods		Salaries and wages	
			Person- hours paid	Wages	Fuel and electricity		\$000 000		Number	\$000 000
F. Paper box and bag industries (S.I.C. 273)										
Nfld.	3	73	163	2	--	8	12	4	81	2
Que.	62	4 432	9 039	105	11	400	643	234	5 793	145
Ont.	134	7 801	16 134	178	15	719	1 136	411	9 995	243
Others	50	2 378	4 709	58	6	272	4 47	172	3 135	83
Total	249	14 684	30 045	343	32	1 399	2 238	821	19 004	473
G. Folding carton and set-up box industry (S.I.C. 2731)										
Que.	29	1 613	3 321	38	2	107	195	87	2 014	50
Ont.	59	3 266	6 895	74	4	237	402	169	4 018	97
Others	16	430	865	10	1	40	67	26	537	13
Total	104	5 309	11 081	122	7	384	664	282	6 569	160
H. Corrugated box industry (S.I.C. 2732)										
Que.	23	2 101	4 240	52	7	221	333	106	2 861	75
Ont.	64	4 089	8 389	95	10	437	668	221	5 341	132
Alta.	10	323	644	8	1	39	66	27	421	11
B.C.	8	585	1 057	17	2	76	125	48	808	26
Others	9	602	1 235	14	2	70	113	42	781	18
Total	114	7 700	15 565	186	22	843	1 305	444	10 212	262

IV - 12. MAJOR PAPER AND ALLIED INDUSTRIES - SELECTED PROVINCES, 1984 (CONCLUDED)

Activity/ provin ce or territory	Estab- lishments	Number	MANUFACTURING ACTIVITY				TOTAL ACTIVITY			
			Production and related workers		Fuel and electricity		Materials and supplies		Value of shipments of goods	
			Person- hours paid	Wages						\$000 000
		1 000								
I. Paper bag industry (S.I.C. 2733)										
Que.	10	718	1 478	15	1	72	115	41	918	20
Ont.	11	446	850	9	1	45	66	21	636	14
B.C.	3	125	258	3	--	15	25	9	160	5
Others	7	386	812	8	1	40	63	24	509	12
Total	31	1 675	3 398	35	3	172	269	95	2 223	51
J. Other converted paper products industries (S.I.C. 279)										95
Que.	84	2 971	6 148	59	8	273	454	175	4 063	88
Ont.	137	7 679	15 288	164	17	716	1 209	485	10 711	254
Alta.	8	67	136	1	--	7	13	6	114	3
Others	41	640	1 290	13	4	45	92	43	966	22
Total	270	11 357	22 862	237	29	1 041	1 768	709	15 854	367
K. Stationery paper products industry (S.I.C. 2792)										738
Que.	20	703	1 468	14	1	45	75	30	977	22
Ont.	37	1 952	3 836	38	2	129	245	116	2 727	59
Man.	7	123	229	2	--	6	12	6	195	4
B.C.	8	141	300	4	--	11	23	11	207	6
Others	6	56	113	1	1	4	11	5	121	3
Total	78	2 975	5 946	59	4	195	366	168	4 227	94
										185

^aExcluding working owners and partners.

Source: Statistics Canada Cat. Nos. 25-202, 36-204, 36-215 and 36-216.

IV - 13. LOGGING BY YEAR, 1960-1984

Year	Establishments	MANUFACTURING ACTIVITY						TOTAL ACTIVITY			
		Production and related workers			Materials and supplies			Value of shipments of goods \$000 000	Value added \$000 000	Number	Total employees ^a \$000 000
		Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods \$000 000	Salaries and wages \$000 000				
1 000	Number	\$000 000	\$000 000	\$000 000	\$000 000	\$000 000	\$000 000	\$000 000	\$000 000	Number	\$000 000
1960	**	**	**	**	**	806	**	**	**	375	**
1965	2 556	53 992	122 571	274	27	651	1 185	528	60 701	316	547
1970	2 653	44 814	100 235	345	29	898	1 620	683	52 230	412	694
1971	2 441	40 126	88 740	344	30	901	1 630	686	47 284	413	698
1972	2 798	40 363	89 599	382	37	995	1 873	814	47 553	458	829
1973	3 132	49 573	105 182	513	50	1 446	2 494	1 089	57 586	606	1 109
1974	3 253	50 733	108 321	601	68	1 585	2 733	1 221	59 491	717	1 244
1975	2 745	45 533	97 662	588	64	1 129	2 175	1 098	53 622	712	1 126
1976	2 315	42 185	83 917	639	71	1 383	2 733	1 300	49 878	773	1 348
1977	2 131	41 804	83 192	693	74	1 513	2 998	1 400	49 445	844	1 440
1978	2 279	45 939	91 544	808	85	1 828	3 435	1 564	53 753	973	1 647
1979	2 844	48 301	96 238	927	101	2 383	4 222	1 822	56 614	1 115	2 053
1980	3 241	45 826	90 653	965	121	2 597	4 559	1 927	54 370	1 179	2 049
1981	3 276	39 971	78 283	944	159	2 444	4 430	1 857	48 402	1 192	1 883
1982	3 081	32 770	62 413	798	179	2 098	3 995	1 616	40 156	1 032	1 650
1983	3 508	39 771	80 446	1 013	200	2 605	4 909	2 105	45 943	1 219	2 152
1984	3 694	45 368	89 665	1 123	215	3 004	5 364	2 172	51 173	1 324	2 191

^aExcluding working owners and partners.

Source: Statistics Canada Cat. No. 25-201.

IV - 14. WOOD INDUSTRIES BY YEAR, 1960-1984

Year	MANUFACTURING ACTIVITY						TOTAL ACTIVITY		
	Production and related workers			Materials and supplies			Value of shipments of goods	Value added	Number
	Establish- ments	Number	Person- hours paid	Wages	Fuel and electricity	\$000 000			
1960	5 730	69 101	••	222	18	561	1 007	••	82 734
1965	4 206	78 389	169 301	322	30	818	1 488	655	91 988
1970	3 330	75 225	157 535	446	36	1 139	1 951	790	87 829
1971	3 164	78 420	165 368	517	44	1 296	2 347	1 003	91 846
1972	3 085	87 733	182 598	623	53	1 647	3 085	1 397	102 699
1973	3 063	94 818	197 824	756	64	2 181	4 056	1 947	111 600
1974	3 111	89 297	186 506	823	75	2 242	3 991	1 708	106 620
1975	2 920	81 588	167 763	846	79	2 098	3 803	1 655	97 717
1976	2 703	90 007	187 880	1 098	105	2 770	4 999	2 207	106 178
1977	2 542	92 300	192 273	1 272	130	3 161	5 952	2 726	108 660
1978	2 928	100 491	209 594	1 482	159	3 916	7 477	3 507	119 004
1979	3 208	103 025	216 455	1 687	183	4 927	8 808	3 965	122 048
1980	3 363	98 839	207 679	1 798	205	4 865	8 397	3 398	117 307
1981	3 394	94 328	189 205	1 824	245	4 802	8 442	3 379	112 570
1982	3 345	80 726	155 324	1 653	273	4 095	7 168	2 662	97 050
1983	3 453	85 499	172 757	1 950	323	5 297	9 406	3 942	101 965
1984	3 561	86 205	174 980	2 028	351	5 657	9 973	4 006	102 941

^aExcluding working owners and partners.

Source: Statistics Canada Cat. No. 25-202.

IV - 15. PAPER AND ALLIED INDUSTRIES BY YEAR, 1960-1984

Year	Establishments	MANUFACTURING ACTIVITY						TOTAL ACTIVITY		
		Production and related workers			Materials and supplies			Value of shipments of goods \$000 000	Salaries and wages Number	Total employees ^a \$000 000
		Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value added				
1 000	Number				\$000 000					
1960	565	76 040	**	339	116	979	2 126	**	95 281	458
1965	601	83 994	184 072	450	158	1 386	2 882	1 347	110 180	634
1970	635	90 679	195 536	684	214	1 953	3 931	1 781	121 080	978
1971	642	90 086	191 811	731	244	2 023	4 001	1 772	119 709	1 039
1972	654	91 188	195 393	805	257	2 211	4 414	1 928	120 758	1 135
1973	649	93 123	197 883	886	284	2 536	5 271	2 439	123 138	1 248
1974	650	99 696	210 962	1 087	427	3 456	7 677	3 888	131 275	1 526
1975	665	95 794	181 293	1 055	419	3 347	7 132	3 398	127 342	1 553
1976	661	98 335	203 620	1 581	572	4 058	8 229	3 774	130 207	1 938
1977	647	94 244	195 940	1 490	697	4 238	8 938	4 004	124 463	2 080
1978	699	96 882	202 655	1 654	833	4 747	10 197	4 539	126 783	2 282
1979	732	98 667	204 986	1 802	960	5 654	12 287	5 733	128 918	2 491
1980	764	99 071	204 792	1 987	1 085	6 785	14 503	6 737	130 310	2 784
1981	758	99 491	205 525	2 243	1 299	7 595	15 729	6 944	131 024	3 146
1982	674	87 924	181 586	2 216	1 434	7 059	14 261	5 869	117 669	3 180
1983	672	86 375	178 775	2 392	1 586	7 468	15 011	5 929	114 308	3 341
1984	678	88 227	182 224	2 529	1 809	8 289	17 472	7 506	115 799	3 516

^aExcluding working owners and partners.

Source: Statistics Canada Cat. No. 25-202.

IV - 16. SAMMILL, PLANING MILL, AND SHINGLE MILL INDUSTRIES (S.I.C. 251) BY YEAR, 1965-1984

Year	Establishments	MANUFACTURING ACTIVITY						TOTAL ACTIVITY		
		Production and related workers			Materials and supplies			Value added	Salaries and wages	Total value added
		Person-hours paid	Wages	Fuel and electricity	Value of shipments of goods	Value added				
Year	Establishments	Number	1 000		\$000 000				\$000 000	
1965	2 559	44 477	95 489	188	20	502	896	384	50 848	224
1970	1 854	43 914	92 625	273	24	705	1 168	450	50 226	326
1971	1 705	45 702	96 322	318	29	811	1 440	593	52 650	381
1972	1 639	51 076	106 058	385	36	1 030	1 949	894	58 909	464
1973	1 593	55 396	115 366	471	44	1 397	2 627	1 306	64 359	572
1974	1 609	50 615	106 377	506	50	1 341	2 380	999	59 886	623
										1 005
1975	1 437	42 291	87 840	482	52	1 141	2 060	883	50 765	599
1976	1 282	49 528	104 249	667	70	1 647	2 969	1 309	58 221	802
1977	1 203	53 169	111 169	803	89	1 986	3 787	1 772	62 199	961
1978	1 310	58 130	122 002	944	109	2 513	4 848	2 324	68 616	1 139
1979	1 424	59 294	125 894	1 081	126	3 267	5 831	2 670	70 314	1 312
										2 328
1980	1 441	57 800	122 469	1 173	143	3 205	5 430	2 150	68 312	1 423
1981	1 432	54 499	108 526	1 147	169	2 998	5 098	1 882	64 486	1 413
1982	1 338	46 295	89 306	1 055	190	2 672	4 501	1 535	55 119	1 883
1983	1 388	50 179	101 115	1 264	228	3 507	6 106	2 502	59 674	1 540
1984	1 429	50 895	102 916	1 321	246	3 722	6 404	2 468	60 415	1 626
										2 468

^aExcluding working owners and partners.

Source: Statistics Canada Cat. No. 35-204.

IV - 17. SHINGLE AND SHAKE INDUSTRY (S.I.C. 2511) BY YEAR, 1965-1984

Year	Establishments	MANUFACTURING ACTIVITY						TOTAL ACTIVITY		
		Production and related workers			Materials and supplies			Value added	Salaries and wages	Total value added
		Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods				
Number	1 000				\$000 000		Number		\$000 000	
1965	64	1 422	2 793	8	--	15	25	10	1 527	9
1970	82	1 374	2 697	11	--	18	32	14	1 450	12
1971	74	1 595	3 173	14	1	22	44	22	1 687	15
1972	72	1 689	3 244	15	1	26	56	29	1 798	16
1973	74	1 753	3 415	17	1	37	68	31	1 883	18
1974	79	1 421	2 841	16	1	26	50	23	1 540	18
1975	69	1 503	2 942	20	1	28	63	34	1 609	21
1976	69	1 690	3 359	25	1	44	90	47	1 813	27
1977	71	1 637	3 319	29	2	61	115	53	1 754	51
1978	84	2 029	4 272	37	2	87	154	68	2 159	41
1979	116	1 853	3 887	40	2	92	155	60	1 986	44
1980	124	1 897	3 708	41	2	83	152	66	2 034	44
1981	119	1 583	3 117	37	2	69	125	54	1 712	40
1982	108	1 302	2 401	29	3	46	87	39	1 421	33
1983	98	1 417	2 714	34	3	64	114	46	1 539	41
1984	101	1 537	3 099	37	3	81	139	58	1 648	46
										57

^aExcluding working owners and partners.

Source: Statistics Canada Cat. No. 35-204.

IV - 18. SAWMILL AND PLANING MILL PRODUCTS INDUSTRY (S.I.C. 2512) BY YEAR, 1960-1984

Year	Establishments	MANUFACTURING ACTIVITY						TOTAL ACTIVITY		
		Production and related workers			Manufacturing activity			Number	Salaries and wages	Total value added
		Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added			
		1 000			\$000 000				\$000 000	
1960	3 719	36 714	••	120	10	296	530	225	••	••
1965	2 559	44 477	95 489	188	20	502	896	384	50 848	224
1970	1 772	42 540	89 928	262	24	687	1 135	436	48 776	314
1971	1 631	44 107	93 150	305	28	789	1 396	572	50 963	366
1972	1 567	49 387	102 814	370	35	1 004	1 894	865	57 111	448
1973	1 519	53 643	111 951	455	43	1 360	2 559	1 275	62 476	554
1974	1 530	49 194	103 535	490	49	1 315	2 330	976	58 346	605
1975	1 368	40 788	84 899	462	51	1 113	1 997	849	49 156	578
1976	1 213	47 838	100 890	642	69	1 604	2 878	1 262	56 408	774
1977	1 132	51 532	107 850	775	88	1 925	3 673	1 719	60 445	930
1978	1 226	56 101	117 730	906	107	2 426	4 694	2 257	66 457	1 098
1979	1 308	57 441	122 007	1 042	124	3 176	5 676	2 610	68 328	1 268
1980	1 317	55 903	118 761	1 132	141	3 122	5 278	2 085	66 278	1 379
1981	1 313	52 916	105 409	1 110	166	2 929	4 973	1 828	62 774	1 373
1982	1 230	44 878	86 592	1 027	188	2 608	4 387	1 489	53 698	1 286
1983	1 290	48 762	98 401	1 231	226	3 443	5 991	2 455	58 135	1 509
1984	1 328	49 358	99 818	1 284	243	3 641	6 265	2 410	58 767	1 585

^aExcluding working owners and partners.

Source: Statistics Canada Cat. No. 35-204.

IV - 19. VENEER AND PLYWOOD INDUSTRIES (S.I.C. 252) BY YEAR, 1960-1984

Year	MANUFACTURING ACTIVITY						TOTAL ACTIVITY		
	Production and related workers			Materials and supplies			Value added	Salaries and wages	Total value added
	Establishments	Number	1 000	Fuel and electricity	Wages	Person-hours paid			
1960	76	9 856	**	35	3	76	138	61	**
1965	83	12 826	27 455	55	4	120	222	101	14 265
1970	90	10 973	21 616	68	5	152	262	104	12 259
1971	88	11 363	23 360	80	6	165	312	139	12 650
1972	84	12 213	24 788	92	7	202	393	182	13 664
1973	86	13 082	26 599	110	8	255	487	226	14 478
1974	82	11 863	23 562	112	9	262	463	198	13 291
1975	83	11 367	21 346	119	10	248	458	200	12 732
1976	81	11 635	23 179	147	13	311	584	266	13 003
1977	83	12 301	24 917	174	17	351	647	283	13 695
1978	86	12 555	25 319	192	20	423	844	402	14 067
1979	83	12 212	24 470	203	21	498	888	380	13 618
1980	84	10 990	22 453	206	23	483	840	333	12 363
1981	77	9 920	18 845	197	26	466	841	351	11 323
1982	82	9 084	15 772	185	27	360	645	248	10 344
1983	82	8 596	17 289	216	32	456	853	373	9 724
1984	81	8 037	15 632	200	31	453	795	317	9 174

^aExcluding working owners and partners.

Source: Statistics Canada Cat. No. 35-206.

IV - 20. SASH, DOOR, AND OTHER MILLWORK INDUSTRIES (S.I.C. 254) BY YEAR, 1960-1984

Year	MANUFACTURING ACTIVITY						TOTAL ACTIVITY		
	Production and related workers			Materials and supplies			Value of shipments of goods	Value added	Number
	Establish- ments	Number	Person- hours paid	Wages	Fuel and electricity	\$000 000			
1960	1 397	13 267	••	40	4	134	227	88	••
1965	1 007	11 108	24	868	41	3	115	209	93
1970	908	12 040	25	610	63	3	190	339	146
1971	902	12 933	27	820	73	4	223	396	172
1972	910	15 594	33	009	94	5	298	509	209
1973	943	17 078	36	298	115	6	389	658	274
1974	958	17 230	36	462	135	8	462	801	343
1975	944	18 409	38	629	165	8	519	928	405
1976	925	19 622	41	132	199	10	618	1 073	460
1977	891	18 169	38	025	200	11	607	1 079	468
1978	1 110	20 525	42	952	240	13	718	1 267	538
1979	1 228	21 067	44	175	268	15	818	1 438	618
1980	1 316	19 994	41	665	275	16	790	1 425	621
1981	1 358	20 447	42	183	321	21	905	1 701	795
1982	1 390	16 816	53	698	272	23	685	1 319	588
1983	1 440	18 488	37	930	321	26	872	1 641	759
1984	1 480	18 217	37	525	327	29	904	1 733	803

^aExcluding working owners and partners.

Source: Statistics Canada Cat. No. 35-205.

\$000 000

IV - 21. WOODEN BOX AND PALLET INDUSTRY (\$1.C. 256) BY YEAR, 1965-1984

Year	Establishments	MANUFACTURING ACTIVITY						TOTAL ACTIVITY			
		Production and related workers			Materials and supplies			Value of shipments of goods	Value added	Salaries and wages	Total value added
		Person-hours paid	Wages	Fuel and electricity							
Number	1 000				\$000 000					Number	\$000 000
1965	160	2 642	5 824	9	1	15	35	19	3 028	11	19
1970	162	2 668	5 668	13	1	25	54	28	3 115	17	28
1971	162	2 666	5 615	14	1	26	55	28	3 109	18	28
1972	157	2 747	5 828	15	1	31	62	30	3 218	19	30
1973	162	2 913	6 176	18	1	40	79	38	3 449	23	38
1974	177	3 192	6 828	22	1	57	105	47	3 731	28	47
1975	179	3 233	6 846	26	1	57	110	52	3 752	33	52
1976	166	2 938	6 216	26	2	57	111	53	3 430	33	53
1977	150	2 869	6 028	30	2	66	134	67	3 347	40	67
1978	161	2 940	6 112	30	2	77	139	61	3 470	39	61
1979	189	3 396	7 099	42	2	104	187	81	3 938	51	81
1980	192	3 017	6 310	38	2	102	189	85	3 547	48	85
1981	191	2 874	5 986	43	3	110	207	93	3 407	55	93
1982	208	2 741	5 662	41	4	97	188	87	3 274	52	88
1983	201	2 216	4 496	32	4	85	152	64	2 556	40	65
1984	212	2 422	4 991	38	4	105	191	82	2 759	46	83

^aExcluding working owners and partners.

Source: Statistics Canada Cat. No. 35-208.

IV - 22. COFFIN AND CASKET INDUSTRY (S.I.C. 258) BY YEAR, 1965-1984

Year	MANUFACTURING ACTIVITY						TOTAL ACTIVITY		
	Production and related workers		Materials and supplies			Value of shipments of goods	Value added	Number	Total employees ^a
	Establish- ments	Number	Person- hours paid	Wages	Fuel and electricity				
Year		1 000		\$000 000					\$000 000
1965	56	1 152	2 595	4	--	6	14	8	1 438
1970	45	1 006	2 194	5	--	7	17	10	1 260
1971	45	983	2 172	5	--	7	18	10	1 217
1972	43	973	2 113	5	--	8	18	10	1 202
1973	42	982	2 088	6	--	10	21	11	1 180
1974	43	1 000	2 051	6	--	13	25	13	1 230
1975	40	952	1 990	7	--	11	25	14	1 120
1976	38	837	1 803	7	--	10	23	12	965
1977	29	743	1 599	7	--	10	23	13	860
1978	31	721	1 507	7	--	13	27	15	846
1979	32	660	1 393	7	--	13	29	15	776
1980	38	707	1 488	9	1	15	32	16	828
1981	34	616	1 311	9	1	15	33	18	736
1982	33	643	1 340	10	1	17	36	19	741
1983	31	692	1 397	11	1	18	39	21	799
1984	31	623	1 201	10	1	18	39	20	722

^aExcluding working owners and partners.

Source: Statistics Canada Cat. No. 35-208.

IV - 23. OTHER WOOD INDUSTRIES (S.I.C. 259) BY YEAR, 1965-1984

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Year	MANUFACTURING ACTIVITY						TOTAL ACTIVITY			
	Production and related workers			Materials and supplies			Value of shipments of goods	Value added	Salaries and wages	Total value added
	Establish- ments	Number	\$1 000	Wages	Fuel and electricity	\$000 000				
1965	277	4 762	10 276	17	2	45	86	40	5 796	23
1970	271	4 624	9 821	24	3	59	112	52	5 537	31
1971	260	4 773	10 079	27	3	64	126	60	5 726	35
1972	252	5 130	10 803	32	4	77	153	72	6 159	41
1973	237	5 367	11 298	36	5	90	184	91	6 459	47
1974	242	5 397	11 226	42	6	109	217	108	6 268	52
1975	237	5 336	11 112	48	7	121	222	100	6 265	59
1976	211	5 447	11 308	54	10	127	239	106	6 335	67
1977	186	5 049	10 536	57	11	142	282	124	5 918	72
1978	230	5 620	11 703	69	14	173	351	166	6 537	85
1979	252	6 396	13 424	86	18	226	436	201	7 430	107
1980	292	6 331	13 294	97	20	269	481	193	7 391	119
1981	302	5 972	12 554	107	26	307	563	240	7 059	133
1982	296	5 262	9 860	92	27	282	506	192	6 278	118
1983	311	5 328	10 529	105	32	360	615	223	6 287	132
1984	328	6 011	12 716	132	41	455	810	316	7 151	166
										319

^aExcluding working owners and partners.

Source: Statistics Canada Cat. No. 35-208.

IV - 24. WOOD PRESERVATION INDUSTRY (S.I.C. 2591) BY YEAR, 1965-1984

Year	Establishments	MANUFACTURING ACTIVITY						TOTAL ACTIVITY		
		Production and related workers			Materials and supplies			Value of shipments of goods	Value added	Number
		Person-hours paid	Wages	Fuel and electricity						
Year	Establishments	Number	1 000		\$000 000					\$000 000
1965	31	1 178	2 465	5	1	19	34	15	1 456	7
1970	34	1 048	2 212	7	1	21	39	17	1 357	10
1971	30	1 154	2 443	8	1	26	45	19	1 448	11
1972	31	1 148	2 509	9	1	27	51	22	1 465	12
1973	33	1 125	2 418	10	1	32	61	27	1 452	14
1974	36	1 281	2 622	13	2	42	80	39	1 506	16
1975	36	1 320	2 721	14	2	54	88	37	1 627	19
1976	36	1 199	2 341	13	2	49	81	32	1 481	18
1977	34	1 188	2 418	16	2	58	102	39	1 474	21
1978	38	1 446	2 985	20	3	69	120	48	1 733	25
1979	41	1 364	2 784	21	3	82	132	51	1 672	27
1980	40	1 416	2 900	26	3	94	150	56	1 687	31
1981	43	1 295	2 656	26	4	106	173	65	1 572	32
1982	45	1 128	2 166	24	6	100	166	61	1 388	31
1983	47	1 019	1 987	23	5	111	171	54	1 249	29
1984	50	1 185	2 453	30	7	154	236	75	1 443	37
										78

^aExcluding working owners and partners.

Source: Statistics Canada Cat. No. 35-208.

IV - 25. PARTICLEBOARD AND WAFERBOARD INDUSTRIES (S.I.C. 2592-2593) BY YEAR, 1970-1984

Year	Establishments	MANUFACTURING ACTIVITY						TOTAL ACTIVITY		
		Production and related workers			Materials and supplies			Value added	Salaries and wages	Total value added
		Person-hours paid	Wages	Fuel and electricity	Value of shipments of goods	Number				
1	000	\$000 000	\$000 000	\$000 000	\$000 000	Number	\$000 000	Number	\$000 000	Total employees ^a
A. Particleboard and waferboard										
1970	9	674	1 512	4	1	8	18	9	783	5
1971	11	846	1 766	5	1	11	25	13	1 007	7
1972	11	952	2 091	7	2	17	37	18	1 36	9
1973	11	1 028	2 248	8	2	17	47	27	1 240	10
1974	11	1 077	2 298	10	3	21	52	29	1 269	12
1975	14	1 192	2 413	13	3	26	51	23	1 377	16
1976	18	1 634	3 340	20	6	41	77	33	1 889	24
1977	17	1 590	3 221	21	8	48	102	45	1 841	26
1978	17	1 720	3 616	28	10	65	148	74	2 018	34
1979	18	2 056	4 310	35	13	86	183	89	2 407	43
1980	17	1 807	3 794	36	14	97	186	71	2 149	44
1981	21	1 974	4 096	44	18	118	226	95	2 366	55
B. Particleboard (S.I.C. 2592)										
1982	17	928	1 914	20	10	64	122	48	1 138	26
1983	19	1 014	1 972	23	11	81	149	57	1 223	31
1984	19	1 201	2 592	30	13	90	197	94	1 525	42
C. Waferboard (S.I.C. 2593)										
1982	10	971	1 505	17	8	45	78	21	1 142	22
1983	11	1 003	2 032	25	11	76	130	43	1 199	31
1984	11	1 210	2 727	34	16	111	189	62	1 429	41

^aExcluding working owners and partners.

Source: Statistics Canada Cat. No. 35-208.

IV - 26. PULP AND PAPER INDUSTRIES (S.I.C. 271) BY YEAR, 1960-1984

Year	MANUFACTURING ACTIVITY						TOTAL ACTIVITY		
	Production and related workers			Materials and supplies			Value of shipments of goods	Value added	Total employees ^a
	Establishments	Number	1 000	Wages	Fuel and electricity	\$000 000	Number	Number	\$000 000
1960	126	53 313	••	260	111	658	1 583	815	••
1965	132	58 074	128 006	339	151	924	2 104	1 034	69 897
1970	139	62 025	134 291	512	204	1 334	2 851	1 323	80 571
1971	142	61 426	130 766	546	233	1 364	2 832	1 273	79 397
1972	141	61 196	131 426	594	244	1 484	3 128	1 374	78 969
1973	146	61 783	131 688	645	271	1 701	3 791	1 804	80 085
1974	147	66 584	142 883	803	409	2 307	5 703	3 034	884
									1 813
1975	147	64 329	117 176	755	399	2 192	5 122	2 569	84 046
1976	147	66 946	139 464	1 033	546	2 733	5 993	2 845	86 995
1977	145	64 930	135 108	1 130	668	2 911	6 637	3 056	84 533
1978	144	66 039	138 834	1 253	798	3 255	7 649	3 504	85 601
1979	146	66 878	139 305	1 355	919	3 848	9 282	4 539	87 055
									1 847
1980	144	66 252	137 699	1 486	1 037	4 605	10 908	5 350	86 872
1981	144	67 170	139 183	1 670	1 240	5 063	11 619	5 406	87 882
1982	142	62 626	129 840	1 729	1 376	4 877	10 689	4 535	83 104
1983	137	60 200	125 563	1 838	1 522	5 092	11 082	4 410	79 164
1984	142	61 018	126 952	1 922	1 736	5 633	13 112	5 845	79 404
									2 638

^aExcluding working owners and partners.

Source: Statistics Canada Cat. No. 36-204.

IV - 27. ASPHALT ROOFING INDUSTRY (S.I.C. 272) BY YEAR, 1965-1984

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Year	MANUFACTURING ACTIVITY						TOTAL ACTIVITY		
	Production and related workers			Materials and supplies			Value of shipments of goods	Value added	Number
	Establishments	Person-hours paid	Wages	Fuel and electricity	Materials and supplies				
Year	Establishments	Number	1 000	\$000 000	\$000 000	\$000 000	\$000 000	\$000 000	\$000 000
1965	21	1 291	2 899	6	1	30	58	26	1 942
1970	14	618	1 436	4	1	22	39	17	1 141
1971	14	727	1 706	6	1	29	51	22	1 218
1972	14	815	1 919	7	1	34	63	28	1 277
1973	15	919	2 088	8	1	41	77	33	1 375
1974	15	916	2 109	9	2	54	102	49	1 403
1975	15	963	2 189	11	2	69	121	51	1 438
1976	15	1 034	2 177	13	3	87	148	60	1 549
1977	15	998	2 127	14	4	91	154	62	1 540
1978	17	1 045	2 169	15	4	111	179	64	1 467
1979	18	997	2 067	15	5	138	209	72	1 471
1980	17	891	1 874	15	5	160	244	78	1 393
1981	16	806	1 637	15	6	167	269	90	1 301
1982	16	768	1 562	15	7	162	271	102	1 269
1983	17	1 025	2 103	25	8	215	306	89	1 424
1984	17	1 168	2 366	27	12	216	354	131	1 537
								38	133

^aExcluding working owners and partners.

Source: Statistics Canada Cat. No. 36-215.

IV - 28. PAPER BOX AND BAG INDUSTRIES (S.I.C. 273) BY YEAR, 1965-1984

Year	Establishments	MANUFACTURING ACTIVITY						TOTAL ACTIVITY			
		Production and related workers			Materials and supplies			Value added	Salaries and wages	Total value added	
		Person-hours paid	Wages	Fuel and electricity	Value of shipments of goods						
Year	Establishments	Number	1 000	\$000 000	\$000 000	\$000 000	\$000 000	Number	\$000 000	\$000 000	
1965	244	15 898	34 274	102	3	284	458	172	20 952	100	173
1970	269	17 505	37 569	108	5	389	656	266	23 497	160	270
1971	268	17 527	37 231	116	6	412	701	285	23 387	170	290
1972	268	18 393	39 435	132	7	455	771	313	24 335	191	320
1973	265	19 249	40 698	150	7	518	881	358	25 282	214	366
1974	269	20 187	41 236	177	9	718	1 182	480	26 247	252	498
1975	286	18 791	38 173	182	11	698	1 171	458	24 799	266	470
1976	284	18 882	38 509	215	13	784	1 310	526	24 891	306	537
1977	280	18 086	37 675	231	16	811	1 355	525	23 837	329	528
1978	296	18 680	38 925	252	18	904	1 502	589	24 259	351	591
1979	316	19 125	39 688	276	21	1 057	1 718	653	24 607	382	657
1980	331	19 713	40 238	306	25	1 226	2 000	765	25 443	430	767
1981	331	19 255	39 496	349	31	1 452	2 303	832	25 131	492	835
1982	255	14 087	28 519	275	26	1 115	1 800	664	18 492	394	667
1983	248	14 447	29 270	313	29	1 217	1 989	752	18 641	435	750
1984	249	14 684	30 045	343	32	1 399	2 238	821	19 004	473	819

^aExcluding working owners and partners.

Source: Statistics Canada Cat. No. 36-216.

IV - 29. OTHER CONVERTED PAPER PRODUCTS INDUSTRIES (S.I.C. 279) BY YEAR, 1965-1984

Year	Establishments	MANUFACTURING ACTIVITY						TOTAL ACTIVITY			
		Production and related workers			Materials and supplies			Value of shipments of goods	Value added	Salaries and wages	Total value added
		Person-hours paid	Wages	Fuel and electricity	Materials	and supplies					
Number	1 000				\$000 000		Number	\$000 000			
1965	204	8 731	18 892	37	3	147	262	115	12 215	58	120
1970	213	10 531	22 240	60	4	208	384	176	16 071	108	197
1971	218	10 406	22 108	63	4	219	416	193	15 707	113	212
1972	231	10 784	22 613	71	5	239	453	213	16 177	124	251
1973	223	11 172	23 409	82	5	276	522	243	16 396	137	261
1974	219	12 009	24 733	98	7	377	690	326	17 422	162	347
1975	217	11 711	23 755	107	7	389	717	320	17 059	178	345
1976	215	11 473	23 469	119	9	435	778	343	16 772	195	368
1977	207	10 230	21 030	115	10	426	793	360	14 553	187	370
1978	242	11 120	22 728	134	13	477	867	382	15 456	211	399
1979	252	11 667	23 926	156	15	611	1 077	469	15 785	238	488
1980	272	12 215	24 979	179	18	795	1 351	544	16 602	278	556
1981	267	12 260	25 209	210	23	912	1 539	615	16 710	317	650
1982	260	10 443	21 665	197	25	910	1 502	568	14 804	317	586
1983	270	10 703	21 839	216	26	943	1 634	678	15 079	342	709
1984	270	11 357	22 862	237	29	1 041	1 768	709	15 854	367	758

^aExcluding working owners and partners.

Source: Statistics Canada Cat. No. 36-215.

Manufacturing Industries ^b	S.I.C. ^c	Establishments	MANUFACTURING ACTIVITY						TOTAL ACTIVITY		
			Production and related workers			Fuel and materials and supplies			Value of shipments of goods	Value added	Total value added
			Person-hours paid	Wages	Electricity	Materials	Shipment	Number	\$1 000	\$1 000 000	
A. Forestry											
Sawmills, planing mills	2512	1 328	49 358	99 818	1 284	243	3 641	6 265	2 410	58 767	1 585
Shingle and shake industry	2511	101	1 537	3 099	37	3	81	139	58	1 648	41
Pulp and paper mills	271	142	61 018	126 952	1 922	1 736	5 653	13 112	5 845	79 404	2 638
Other wood industries	252-259	2 132	35 310	72 064	707	105	1 935	3 569	1 538	42 526	915
Other paper industries	272-279	536	27 209	55 272	607	73	2 656	4 360	1 661	36 395	878
Furniture and fixtures	261-269	1 665	37 561	79 230	639	43	1 426	3 022	1 570	45 287	849
Printing and publishing	281-284	5 280	65 257	126 662	1 494	73	3 162	8 659	5 448	113 447	2 761
B. Agriculture											
Food, feed, beverage, tobacco	101, 103-122	3 175	130 927	268 809	2 922	643	23 810	36 173	11 934	201 973	4 965
C. Fishing											
Fish products	102	397	21 261	43 682	318	39	954	1 592	593	24 372	385
D. Mining											
Smelting and refining	291, 295	89	58 947	124 241	1 963	920	5 950	11 826	5 158	80 651	2 803
Metal semi-fabricating products	292-294, 296-299, 351-359	1 973 5 329	58 662 99 669	123 580 208 144	1 485 2 238	660 224	4 844 6 150	9 851 12 193	4 373 5 833	77 192 129 202	2 073 3 114
Metal-fabricated products	301-309	5 329	99 669	208 144	2 238	6 150	12 193	5 833	4 373 5 833	77 192 129 202	2 073 3 114
E. Energy											
Petroleum and coal products	361-369	120	6 538	14 400	263	321	20 795	23 337	2 616	17 264	729
F. Other											
Machinery (except electrical)	311-319	1 689	50 316	104 712	1 153	93	3 335	6 863	3 493	72 777	1 809
Transportation equipment	321-329	1 446	149 227	334 093	4 111	338	25 365	37 916	12 376	195 629	5 663
Electrical products	331-339	1 345	84 544	176 088	1 836	135	5 800	11 632	6 057	135 951	3 368
Chemicals, chemical products	371-379	1 263	45 568	96 694	1 204	1 213	9 263	17 175	6 928	87 802	2 614
Textile and clothing	181-249	3 550	144 487	292 366	2 049	211	5 324	10 427	4 952	170 706	2 759
Miscellaneous products	151-169, 171, 391-399	4 904	113 420	233 579	2 063	233	6 011	11 959	5 824	151 051	3 127
G. Total											
	***	36 464	1 240 816	2 583 488	28 295	7 306	136 134	230 070	88 668	1 722 044	43 076
											94 045

^aExcluding working owners and partners.^bExcluding primary industries.^c1980 Standard Industrial Classification.

Source: Statistics Canada Cat. No. 25-202 and 31-203.

SECTION V

EMPLOYMENT

Labour Force Survey

Labour Force Survey statistics are based on information obtained through a sample survey of households. Interviews are carried out in about 48 000 representative households across the country.

The sample used in the surveys of the labour force has been designed to represent all persons in the population 15 years of age and over residing in Canada, with the exception of the following: residents of the Yukon and Northwest Territories, persons living on Indian reserves, inmates of institutions, and full-time members of the armed forces.

A comprehensive description of the design of the Labour Force Surveys and a complete list of Self-Representative Units, can be found in "Methodology of the Canadian Labour Force Survey," Statistics Canada, Catalogue 71-526, Ottawa, 1976.

Employment: Employed persons are those who, during the reference week: a) did any work at all; b) had a job, but were not at work due to own illness or disability, personal or family responsibilities, bad weather, labour dispute, vacation, or other reasons (excluding persons on layoff and those with a job to start at a definite date in the future).

Census of Manufactures

The Census of Manufactures is an annual survey of the manufacturing industries of Canada.

Data are accepted for any fiscal year ending not earlier than April 1 of the reference year, nor later than March 31 of the following year. However, data of small establishments based on financial statements submitted to Revenue Canada relate to the taxation year, that is, any reporting year ending in the calendar year. These practices should be kept in mind in comparing census data with those compiled on a calendar year basis.

For detailed definitions and some qualifications to the preceding explanations, see Concepts and Definitions of the Census of Manufactures, Catalogue 31-528.

Employment: Excludes working owners and partners of unincorporated businesses, which are separately tabulated, and outside pieceworkers. Respondents are asked for average number employed during the year. Production and related workers in manufacturing activity include those at the establishment engaged in processing, assembling, storing, inspecting, handling, packing, maintenance, repair, janitorial and security services, and working foremen. Administrative office and other non-manufacturing employees include all functions at head offices, sales offices, and auxiliary units as well as cafeteria workers, research personnel, truck drivers, etc.

V-1. EMPLOYMENT BY INDUSTRY SECTORS^a, 1970-1986

Year	Forestry related			Mining related			Agriculture related			Fishing								
	Wood industries			Paper and allied industries														
	Sawmills, planing, shingle mills	Pulp and paper mills	Total mills	Logging services	Paper mills	Total mills	Printing, publishing, furniture, fixture	Crude ores concen- trates	Smelting and refining	Metal fabri- cating	Semi Metal fabri- cating	Agricul- ture services	Food, feed, beverage, tobacco ^b servi- ces	Fishing, fish- ing servi- ces	Fish products	Energy	Con- struction	Other	Total
1 000 persons																		
1970	**	**	**	**	**	**	**	**	**	513	**	**	**	**	**	**	**	7 919
1971	**	**	**	**	**	**	**	**	**	514	**	**	**	**	**	**	**	8 103
1972	**	**	**	**	**	**	**	**	**	483	**	**	**	**	**	**	**	8 394
1973	65	74	123	69	**	180	87	89	100	161	469	13	237	21	23	142	539	8 761
1974	**	**	**	**	**	**	**	**	**	474	**	**	**	**	**	**	586	9 125
1975	50	54	93	91	130	171	109	86	90	161	483	14	223	21	21	153	603	8 867
1976	61	9	117	103	143	168	111	92	100	147	472	15	235	19	24	163	635	6 987
1977	58	12	69	118	92	126	180	108	87	97	464	15	235	19	26	166	634	7 154
1978	64	13	77	130	97	140	187	103	88	105	474	13	291	21	32	191	634	7 399
1979	65	12	84	140	99	141	188	106	92	97	484	14	235	28	37	196	644	7 749
1980	61	10	78	135	101	143	197	120	110	99	172	479	16	232	32	37	217	624
1981	66	11	79	139	100	145	196	127	118	95	178	485	15	240	33	35	231	651
1982	52	11	59	107	93	136	204	99	98	84	147	462	15	231	31	33	216	597
1983	64	12	63	115	87	125	206	93	90	78	134	476	17	227	35	33	210	566
1984	63	13	67	118	92	128	209	99	92	84	138	476	21	218	33	33	221	572
1985	57	11	59	110	89	123	205	108	97	88	141	488	19	225	33	30	224	587
1986	57	11	63	125	81	113	223	102	95	92	154	484	23	218	37	35	216	627

^aUnadjusted series.^bExcluding fish products.

Source: Statistics Canada Cat. No. 71-201, Labour Force Survey.

V - 2. EMPLOYMENT BY PROVINCE^a, 1970-1986

Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
1 000 persons											
A. Employed labour force											
1970	129	35	256	192	2 128	3 037	371	333	633	805	7 919
1971	135	37	256	197	2 175	3 113	379	334	643	834	8 104
1972	140	36	261	205	2 205	3 239	386	336	671	865	8 344
1973	151	39	275	214	2 330	3 380	402	343	706	920	8 761
1974	149	41	292	221	2 401	3 523	419	350	754	976	9 125
1975	152	42	292	224	2 434	3 576	417	365	788	995	9 284
1976	157	42	292	226	2 456	3 643	425	378	838	1 021	9 477
1977	159	43	292	224	2 476	3 708	428	390	880	1 050	9 651
1978	162	45	303	234	2 530	3 835	439	398	937	1 103	9 987
1979	170	46	311	243	2 619	3 993	450	411	1 007	1 144	10 395
1980	178	47	321	249	2 694	4 053	458	417	1 078	1 213	10 708
1981	179	47	322	253	2 726	4 171	461	425	1 152	1 270	11 006
1982	174	45	313	243	2 584	4 067	454	426	1 132	1 204	10 644
1983	174	48	320	247	2 642	4 096	460	436	1 115	1 197	10 734
1984	176	49	337	248	2 722	4 243	472	439	1 114	1 202	11 000
1985	176	51	337	258	2 804	4 402	480	452	1 123	1 228	11 311
1986	181	52	344	267	2 866	4 555	493	457	1 146	1 274	11 634
B. Unemployment rate											
1970	7.3	x	5.3	6.3	7.0	4.4	5.3	4.2	5.1	7.7	5.7
1971	8.4	x	7.0	6.1	7.3	5.4	5.7	3.5	5.7	7.2	6.2
1972	9.2	10.8	7.0	7.0	7.5	5.0	5.4	4.4	5.6	7.8	6.2
1973	10.0	x	6.6	7.7	6.8	4.3	4.6	3.5	5.3	6.7	5.5
1974	13.0	x	6.8	7.5	6.6	4.4	3.6	2.8	3.5	6.2	5.3
1975	14.0	8.0	7.7	9.8	8.1	6.3	4.5	2.9	4.1	8.5	6.9
1976	13.5	9.6	9.5	11.0	8.7	6.2	4.7	3.9	4.0	8.6	7.1
1977	15.5	9.8	10.6	13.2	10.3	7.0	5.9	4.5	4.5	8.5	8.1
1978	16.2	9.8	10.5	12.5	10.9	7.2	6.5	4.9	4.7	8.3	8.3
1979	15.1	11.2	10.1	11.1	9.6	6.5	5.3	4.2	3.9	7.6	7.4
1980	13.3	10.6	9.7	11.0	9.8	6.8	5.5	4.4	3.7	6.8	7.5
1981	13.9	11.2	10.2	11.5	10.3	6.6	5.9	4.7	3.8	6.7	7.5
1982	16.8	12.9	13.2	14.0	13.8	9.8	8.5	6.2	7.7	12.1	11.0
1983	18.8	12.2	13.2	14.8	13.9	10.4	9.4	7.4	10.8	13.8	11.9
1984	20.5	12.8	13.1	14.9	12.8	9.1	8.3	8.0	11.2	14.7	11.3
1985	21.3	13.2	13.8	15.2	11.8	8.0	8.1	10.1	14.2	10.5	9.6
1986	20.0	13.4	13.4	14.4	11.0	7.0	7.7	9.8	12.6		

^aUnadjusted series.

Source: Statistics Canada Cat. No. 71-201, Labour force survey.

V - 3. EMPLOYMENT IN THE FOREST INDUSTRIES BY SECTOR^a, 1961-1984

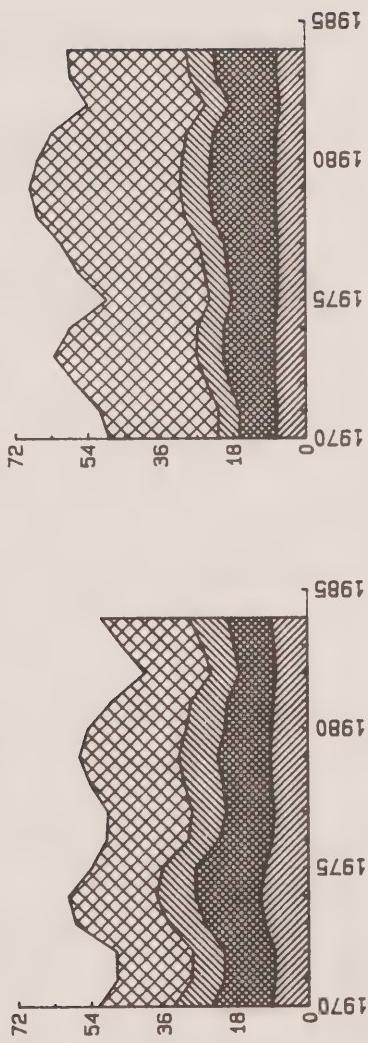
Year	Logging	Wood Industries				Paper and allied Industries			
		Sawmills and planing mills	Shingle and shake industry	Veneer and plywood industries	Sash door, and other millwork industries	Other wood industries	Pulp and paper mills	Other paper Industries	Total
1961	••	46 688	••	••	••	35 397	82 085	63 789	34 503
1965	60 701	50 848	1 527	14 265	14 122	10 826	91 588	69 897	40 283
1970	52 230	48 776	1 450	12 259	15 432	9 912	87 829	80 371	40 709
1971	47 284	50 963	1 687	12 650	16 494	10 052	91 846	79 397	40 312
1972	47 553	57 111	1 798	13 664	19 547	10 579	102 699	78 969	41 789
1973	57 586	62 476	1 883	14 478	21 675	11 088	111 600	80 085	43 053
1974	59 491	58 346	1 540	13 291	22 214	11 229	106 620	86 203	45 072
1975	53 622	49 156	1 609	12 732	23 083	11 137	97 717	84 046	43 296
1976	49 878	56 408	1 813	13 003	24 224	10 730	106 178	86 995	43 212
1977	49 445	60 445	1 754	13 695	22 641	10 125	108 660	84 533	39 930
1978	53 753	66 457	2 159	14 067	25 468	10 853	119 004	85 601	41 182
1979	56 614	68 328	1 986	13 618	25 972	12 144	122 048	87 055	41 863
1980	54 370	66 278	2 034	12 363	24 866	11 766	117 307	86 872	43 438
1981	48 402	62 774	1 712	11 323	25 559	11 202	112 570	87 882	43 142
1982	40 156	53 698	1 421	10 344	21 294	10 293	97 050	83 104	34 565
1983	45 943	58 135	1 539	9 724	22 925	9 642	101 965	79 164	35 144
1984	51 173	58 767	1 648	9 174	22 740	10 612	102 941	79 404	36 395
									115 799
									269 913

^aExcluding working owners and partners.

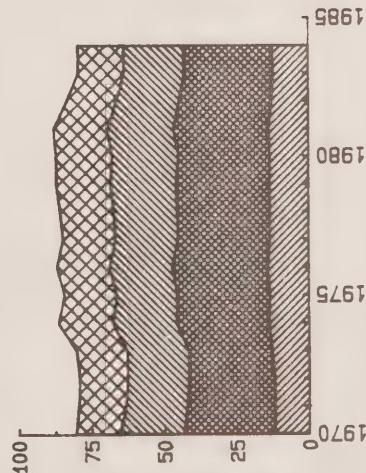
Source: Statistics Canada Cat. No. 25-202, Census of manufactures.

EMPLOYMENT
Thousands of persons

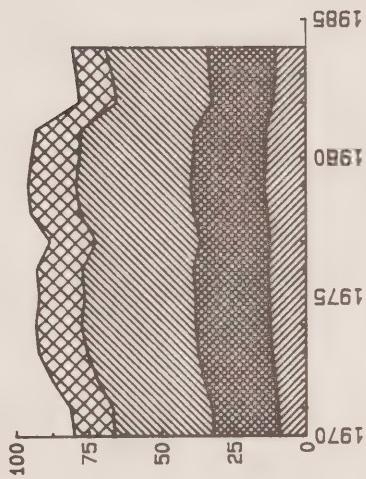
LOSSING
SAWMILLS AND PLANING MILLS



PULP AND PAPER MILLS



OTHER FOREST INDUSTRIES



TOTAL FOREST INDUSTRIES

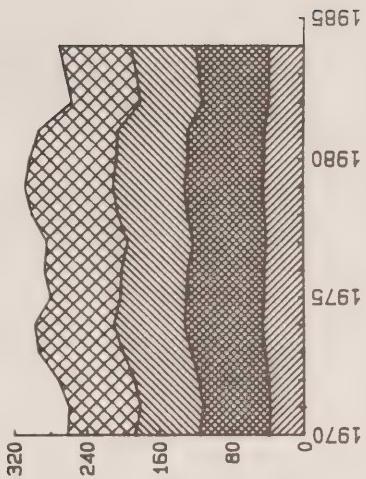


Figure 24. Employment in the forest industries by sector and region, 1970-1984.

Source: Statistics Canada, Cat. No. 25-201 and 25-202.

V - 4. EMPLOYMENT BY FOREST INDUSTRY SECTOR AND PROVINCE^a, 1970-1984

Sector/year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada ^b
A. Logging											
1970	2 439	-	1 523	3 599	14 815	9 567	386	549	747	18 581	52 230
1971	1 778	-	1 427	3 466	12 521	8 125	432	518	652	18 364	47 284
1972	1 881	-	1 273	3 348	12 364	7 783	520	626	782	18 976	47 553
1973	2 404	-	1 524	4 533	14 690	8 983	563	677	1 306	22 906	57 586
1974	2 579	-	1 675	4 741	16 115	9 673	693	843	1 456	21 716	59 491
1975	2 319	-	1 592	4 134	17 288	8 028	769	851	1 141	17 500	53 622
1976	1 588	-	1 117	3 852	13 155	7 694	670	616	1 052	20 154	49 878
1977	1 625	-	1 098	3 547	11 834	8 447	567	511	980	20 836	49 445
1978	1 324	-	1 229	4 269	11 959	9 569	578	616	1 041	23 168	53 753
1979	x	x	1 178	4 377	13 065	9 684	500	682	1 151	24 474	56 614
1980	x	x	1 083	4 140	11 575	9 578	527	605	1 020	24 270	54 370
1981	1 580	5	1 030	3 808	11 257	9 003	578	599	981	19 561	48 402
1982	1 614	12	1 021	3 188	8 994	7 079	449	575	853	16 371	40 156
1983	1 328	9	1 190	4 051	9 881	7 826	446	560	746	19 906	45 943
1984	1 258	11	1 244	4 542	10 729	9 515	586	778	21 850	51 173	
B. Wood Industries											
1970	429	59	2 182	19 483	16 664	1 233	933	4 852	38 329	87 829	
1971	447	69	1 889	3 570	19 975	16 835	1 330	1 035	5 002	41 652	91 846
1972	448	65	2 065	3 886	23 200	18 598	1 634	1 228	5 717	45 819	102 699
1973	505	72	1 982	3 967	25 592	20 662	1 943	1 236	6 065	49 547	111 600
1974	538	75	2 124	4 225	24 771	20 507	1 979	1 241	6 241	44 866	106 620
1975	482	x	2 210	3 838	23 959	19 284	1 957	1 593	5 614	38 655	97 715
1976	392	87	2 234	3 949	25 239	19 872	1 903	1 552	6 250	44 645	106 178
1977	380	110	2 001	3 487	25 345	20 110	1 835	1 656	6 100	47 605	108 660
1978	414	194	2 203	3 759	29 132	21 942	1 998	1 803	6 571	50 955	119 004
1979	374	x	2 151	4 338	29 782	22 902	2 060	1 867	6 967	51 369	122 048
1980	350	162	1 980	4 245	29 213	21 348	1 993	1 596	6 634	49 708	117 307
1981	334	128	1 802	3 956	27 976	20 970	2 158	1 620	6 904	46 627	112 570
1982	263	112	1 618	3 151	23 566	19 011	1 852	1 343	5 765	40 309	97 050
1983	380	139	1 879	3 510	27 367	19 562	2 010	x	5 418	40 392	101 965
1984	335	219	1 867	3 503	28 603	20 840	1 932	1 233	5 508	38 901	102 941

V - 4. EMPLOYMENT BY FOREST INDUSTRY SECTOR AND PROVINCE^a, 1970-1984 (CONCLUDED)

Sector/year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada ^b	
C. Paper and allied industries												
1970	-	2 850	5 575	43 743	44 894	1 835	x	1 622	17 089	121 080		
1971	x	-	3 077	5 603	42 125	43 867	1 902	x	1 562	18 327	119 709	
1972	x	-	3 043	5 505	41 988	44 580	2 192	x	1 680	18 804	120 758	
1973	x	-	3 253	5 595	41 427	45 391	2 182	x	1 743	19 782	123 138	
1974	x	-	3 319	5 925	45 367	47 404	x	2 155	20 768	131 275		
1975	x	-	3 309	5 898	44 695	45 178	2 284	x	2 208	20 225	127 342	
1976	x	-	3 336	6 433	45 923	45 645	2 240	x	2 336	20 404	130 207	
1977	x	-	3 338	6 124	43 633	43 488	2 089	x	2 254	20 320	124 463	
1978	x	-	3 513	5 980	43 736	45 209	2 159	x	2 338	20 655	126 783	
1979	x	-	3 175	6 145	44 333	46 172	x	2 575	20 998	128 918		
1980	x	-	3 163	6 016	43 556	47 861	2 408	x	2 384	21 540	130 310	
1981	x	-	3 340	x	45 011	47 381	2 361	x	2 499	20 660	131 024	
1982	x	-	x	5 484	41 457	41 597	2 041	x	2 210	18 458	117 669	
1983	x	-	2 877	5 143	40 829	41 001	1 859	x	2 239	17 390	114 508	
1984	x	-	2 993	5 738	41 107	41 690	1 746	x	2 187	17 433	115 799	
D. Forest industries												
1970	x	x	6 555	12 779	78 041	71 125	3 454	x	7 221	73 999	261 139	
1971	x	x	6 393	12 639	74 621	68 827	3 664	x	7 216	78 343	258 839	
1972	x	x	6 381	12 739	77 552	70 961	3 846	x	8 179	83 599	271 010	
1973	x	x	6 759	14 095	81 709	75 036	4 688	x	9 114	92 235	292 324	
1974	x	x	x	7 118	14 891	86 253	77 584	x	9 852	87 350	297 386	
1975	x	x	x	7 111	13 870	85 942	72 490	5 010	x	8 963	76 380	278 681
1976	x	x	87	6 687	14 234	84 297	73 211	4 813	x	9 638	85 203	286 263
1977	x	x	110	6 437	13 158	80 812	72 045	4 491	x	9 334	88 761	282 568
1978	x	x	194	6 945	14 008	84 827	76 720	4 735	x	9 850	94 778	299 540
1979	x	x	6 504	14 860	87 180	78 758	x	x	10 693	96 841	307 580	
1980	x	x	6 226	14 446	84 344	78 787	4 928	x	10 038	95 518	301 967	
1981	x	x	133	6 172	x	84 244	77 354	5 097	x	10 384	86 848	291 996
1982	x	x	124	x	11 823	74 017	67 687	4 342	x	8 828	75 138	254 875
1983	x	x	148	5 946	12 704	78 077	68 389	4 315	x	8 403	77 688	262 240
1984	x	x	230	6 104	13 783	80 439	72 045	4 264	x	8 473	78 184	269 913

^aCensus of manufactures.^bIncluding Yukon and Northwest Territories.

Source: Statistics Canada Cat. No. 25-202.

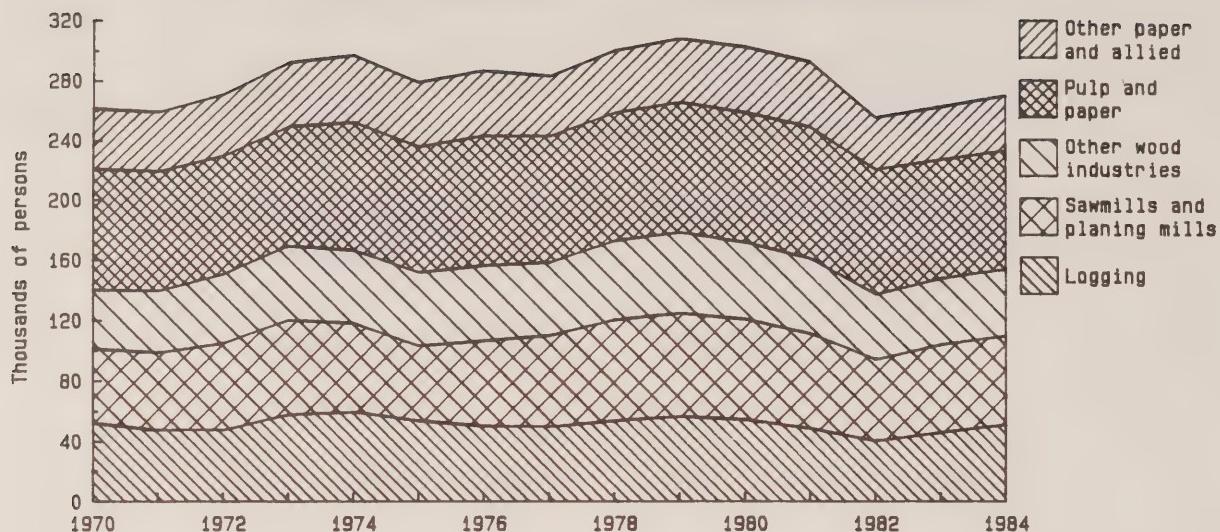
EMPLOYMENT

Figure 25. Employment in the forest industries by sector, 1970-1984.

Source: Statistics Canada, Census of manufactures, Cat. No. 25-202.

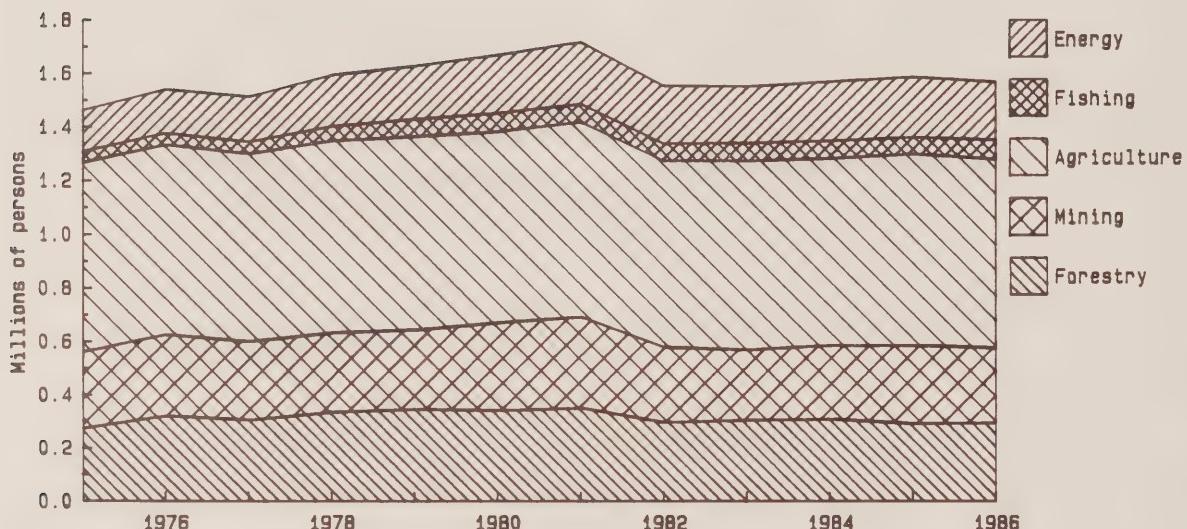
EMPLOYMENT

Figure 26. Employment by industry sector, 1975-1986.

Source: Statistics Canada, Cat. No. 71-201 and Labour Force Survey.

SECTION VI

SELLING PRICE INDEXES

The Industrial Product Price Indexes measure price changes for major commodities sold by Canadian manufacturers. Elemental indexes are calculated for 1314 Principal Commodity Group outputs as defined in the 1981 Input/Output (I/O) table. Weights used to aggregate commodity indexes are taken from the output or "Make" matrix of the I/O system which provides an integrated set of commodity values for all manufacturing industries.

About 10 000 prices are collected monthly from about 3 000 producers for goods sold which are valued at the boundary of the establishment, so that the cost of taxes collected at that point and transportation provided by public carriers beyond that point are excluded. Prices are reported in great detail for some transactions, enabling both the goods and the terms of sale to be identified. Such collections are instituted for important commodities. The sample size is increased where price movement has a regional aspect or where there are large flows of goods to export markets.

Sampling for the direct survey of an elemental indicator is usually done by a formal probability sampling procedure, wherein important producers are "must take" respondents and a random selection is made of the smaller producers. Such samples are redesigned according to a regular cycle as dictated by changes in the market. A given elemental indicator is usually supported by 12 to 15 price quotes, although some are derived from as few as 8 quotes or as many as 30 quotes.

The 1981 = 100 industry aggregation of elemental commodities can be directly related to the 1971 = 100 Industry Selling Price Indexes which are available from 1956 to 1985. Link factors, derived from the relationship of the two series in December 1985, were published in the January issue of Catalogue 62-011.

VI - 1. SELECTED FOREST INDUSTRY SELLING PRICE INDEXES, 1956-1986
(1971 = 100)

Year	Wood Industries			Paper and allied industries			All manufacturing industries
	Sawmills and planing mills	Shingle mills	Veneer and plywood mills	Total	Pulp and paper mills	Total	
1956	77.1	55.2	84.7	71.8	84.1	82.7	79.4
1960	73.2	50.4	74.2	70.0	85.7	84.6	82.2
1965	79.7	66.4	80.1	76.8	91.1	89.0	86.2
1970	86.7	81.9	90.0	89.6	100.5	99.8	98.1
1971	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1972	126.6	139.9	119.9	122.2	100.5	100.9	104.4
1973	162.1	162.9	137.9	151.9	113.3	112.1	116.1
1974	147.4	141.6	154.2	149.1	157.1	151.6	138.1
1975	145.9	175.2	159.2	151.3	189.1	178.4	153.7
1976	163.8	223.8	169.5	167.9	191.7	182.8	161.6
1977	190.7	270.5	175.2	188.7	204.6	193.5	174.3
1978	231.9	312.5	220.6	225.3	216.4	204.2	190.4
1979	274.7	309.2	242.2	260.8	258.2	239.6	217.9
1980	243.3	300.3	237.9	244.6	300.1	277.2	247.2
1981	229.8	300.6	266.4	245.4	329.5	306.1	272.4
1982	220.2	290.1	239.5	238.6	336.1	317.3	288.8
1983	252.2	342.2	256.3	264.8	317.5	297.3	298.8
1984	242.0	355.3	248.0	260.4	358.9	340.3	310.9
1985	248.7	312.1	255.6	266.6	363.1	347.1	319.2
1986	271.8	296.1	299.7	288.9	380.4	361.6	322.2

Source: Statistics Canada Cat. No. 62-011.

VI - 2. SELLING PRICE INDEXES - SELECTED WOOD, PULP AND PAPER PRODUCTS, 1956-1986

(1971 = 100)

Year	Wood products						Paper products								
	Hardwood lumber			Plywood			Wood pulp			Paper products					
	Softwood lumber	Hemlock pine	Douglas fir	Yellow birch	Douglas-fir	Spruce and pine	Particle-board sanded	Sulphite paper grades bleached for export	Sulphate paper grades bleached for export	Newsprint white in rolls for export	Book and printing paper	Fine papers	Wrapping and packaging paper	Paperboard	
1956	86.6	80.5	72.8	74.6	85.2	81.5	..	92.2	88.6	***	71.2	72.7	80.6	97.0	
1960	82.2	76.4	77.1	68.4	88.8	66.3	..	87.6	87.8	***	78.3	80.1	86.0	97.0	
1965	82.6	80.2	78.4	77.0	94.0	76.1	..	92.4	94.2	92.1	82.9	84.8	87.2	97.3	
1970	79.8	88.5	95.1	83.2	102.7	88.0	82.3	..	103.2	101.5	100.8	97.1	97.9	99.9	100.1
1971	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
1972	136.0	126.6	114.2	120.1	109.5	121.1	127.8	..	97.1	93.4	102.8	103.4	102.5	98.8	103.2
1973	167.8	173.7	151.3	160.5	136.1	139.0	137.1	..	120.6	117.5	109.4	119.6	116.9	108.5	114.0
1974	133.9	161.7	164.4	147.3	153.6	153.8	138.3	..	191.8	187.7	136.7	154.2	152.4	144.6	141.9
1975	131.8	158.8	146.9	145.6	148.5	161.0	150.2	..	235.9	238.9	172.2	163.9	162.5	163.0	153.4
1976	159.5	173.5	152.6	168.7	155.4	173.8	167.2	149.0	218.8	230.6	177.6	164.8	161.6	155.7	162.5
1977	188.8	204.0	165.8	204.5	167.4	177.5	170.1	171.3	220.8	233.1	210.4	173.6	165.0	155.4	166.7
1978	242.9	239.2	200.5	243.4	187.0	228.8	212.6	215.9	210.2	213.1	236.4	190.5	173.6	164.5	171.7
1979	275.9	315.3	239.4	303.2	224.8	244.5	222.6	192.2	279.4	278.9	221.2	197.7	193.4	200.2	
1980	219.4	289.1	250.1	249.3	218.6	240.3	219.8	234.1	342.1	341.0	300.2	245.9	219.0	225.8	238.5
1981	208.2	251.5	240.4	233.4	208.3	271.0	257.8	280.9	356.3	358.9	342.7	273.7	242.1	247.9	272.4
1982	188.7	247.1	237.2	209.3	200.4	244.2	201.8	284.9	341.1	339.4	356.9	286.4	256.4	263.2	279.4
1983	246.4	269.1	249.0	241.3	209.1	255.0	244.1	278.4	303.7	293.9	331.6	291.6	257.6	267.3	286.6
1984	226.7	254.9	295.9	229.3	230.7	242.2	218.8	271.5	367.1	370.4	375.1	307.6	277.5	274.3	286.6
1985	234.8	279.7	305.7	228.9	233.1	253.7	235.9	273.4	318.4	322.3	411.3	311.2	279.7	280.2	323.5
1986	270.5	309.7	289.2	240.2	309.4	***	***	363.7	362.6	421.6	313.5	287.9	***	329.1	

Source: Statistics Canada Cat. No. 62-011.

SECTION VII

FINANCIAL STATISTICS AND ECONOMIC INDICATORS

- Capital and repair expenditures
- Contribution to Canadian Gross Domestic Product
- Corporate profits and profitability
- Economic indicators
- Income taxes

Gross Domestic Product

From now on, the gross domestic product (GDP) will replace the gross national product (GNP) in table VII-6 as a measure of the Canadian collective income. This change is in accordance with the System of National Accounts of Statistics Canada and with the international practice recommended by the United Nations.

According to Statistics Canada, the GDP allows for a better analysis of the economic performance of the country as it measures the production originating in the country, whereas the GNP is adjusted for the flow of interests and incomes crossing the national border. Also, the GDP allows for a better comparison with the provinces and industries; provincial totals will now be additive to the national total and the GDP can be split by productive sector.

Statistics Canada's change of approach results in an upward revision of the aggregate estimations. New surveys and information sources have allowed re-examination of the data from 1961 until 1985. The major sources of change are: day care fees, unrecorded income in construction, indirect taxes and investment income of municipalities, and residential repairs.

More details are available from Statistics Canada, catalogue 13-001, first quarter 1986.

VII - 1. CORPORATE PROFITS AND PROFITABILITY^a - FOREST INDUSTRIES, 1970-1984

Year	Wood Industries			Paper and allied industries			Manufacturing Industries			
	Before tax		After tax	Profitability	Before tax		After tax	Profitability	Before tax	
	\$000 000	\$000 000	%	\$000 000	\$000 000	%	\$000 000	\$000 000	%	
1970	-13	-22	-0.6	229	155	3.7	2 899	1 662	5.5	
1971	51	10	1.8	111	64	2.2	3 679	2 179	6.7	
1972	189	90	6.0	139	65	2.4	4 361	2 590	7.5	
1973	480	284	15.7	799	573	10.1	6 607	4 142	10.6	
1974	188	94	6.2	1 337	852	12.2	8 697	5 272	11.6	
1975	60	9	1.5	826	574	7.8	7 652	4 564	9.1	
1976	206	94	5.1	573	343	5.4	7 367	4 542	8.5	
1977	402	232	9.7	582	308	4.5	7 397	4 561	6.8	
1978	750	474	15.7	1 191	817	8.9	10 085	6 492	9.7	
1979	874	546	15.6	1 621	905	8.9	14 213	9 064	11.6	
1980	380	242	6.4	2 465	1 604	13.0	15 109	9 498	10.6	
1981	69	36	1.7	2 096	1 536	10.3	14 396	9 076	8.8	
1982	-277	-190	-3.2	-39	28	1.4	4 910	2 843	3.4	
1983	220	167	4.9	-25	32	1.1	8 796	5 715	5.7	
1984	165	132	4.1	920	722	4.9	15 584	10 610	0.9	

^aProfitability was obtained by dividing after-tax profits plus interest on long-term debt by capital employed.

Source: Statistics Canada Cat. No. 61-207.

VII - 2. CORPORATE INCOME TAXES PAID BY FOREST INDUSTRIES, 1970-1985

Year	Forestry services and logging			Wood Industries			Paper and allied industries			Total		
	Federal		Provincial	Total	Federal	Provincial	Total	Federal	Provincial	Total	Federal	Provincial
	\$000	\$000		\$000 000	\$000	\$000		\$000 000	\$000		\$000	\$000
1970	4.4	1.5	5.9	12.3	4.3	16.6	57.9	15.8	73.7	74.6	21.6	96.2
1971	4.3	1.7	6.0	21.3	6.8	28.1	45.1	12.7	57.8	70.7	21.2	91.9
1972	7.7	2.7	10.4	51.9	15.9	67.8	51.9	17.4	69.3	111.5	36.0	147.5
1973	14.4	5.0	19.4	94.1	35.0	129.1	107.0	39.8	146.8	215.5	79.8	295.3
1974	11.8	4.2	16.0	48.2	19.5	67.7	219.4	85.6	305.0	279.4	109.3	388.7
1975	7.0	2.9	9.9	38.6	16.2	54.8	108.8	44.3	153.1	154.4	63.4	217.8
1976	7.9	5.0	12.9	58.6	28.5	87.1	96.8	45.3	142.1	163.3	78.8	242.1
1977	10.5	7.1	17.6	79.5	38.5	118.0	97.1	45.8	142.9	187.1	91.4	278.5
1978	10.7	7.7	18.4	127.0	68.0	195.0	156.3	80.4	236.7	294.0	156.1	450.1
1979	24.4	14.9	39.3	161.6	86.8	248.4	298.7	160.6	459.5	484.7	262.3	747.0
1980	32.2	17.9	50.1	67.9	39.3	107.2	331.4	176.4	507.8	431.5	233.6	665.1
1981	13.2	9.0	22.2	45.5	25.4	70.9	201.9	110.9	312.8	260.6	145.3	405.9
1982	10.1	5.8	15.9	27.3	11.9	39.2	73.1	41.2	114.3	110.5	58.9	169.4
1983	12.3	7.1	19.4	45.3	20.1	65.4	60.5	34.9	95.4	118.1	62.1	180.2
1984	15.9	8.9	24.8	36.9	20.9	57.8	82.5	70.2	152.7	135.3	100.0	235.3
1985p	14.7	8.7	23.4	42.7	25.4	68.1	77.3	71.9	149.2	134.7	106.0	240.7

Source: Statistics Canada Cat. No. 61-208 and 61-208P.

VII - 3. PROVINCIAL ALLOCATION OF TAXABLE INCOME BY FOREST INDUSTRY SECTOR AND PROVINCE, 1970-1985

Sector / year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon and N.W.T.	Other a	Canada
											\$000		
A. Forestry services and logging													
1970	x	-	155	344	866	832	x	x	x	18 603	-	x	21 454
1971	206	-	177	528	1 763	954	66	-	528	16 399	-	x	20 670
1972	132	-	303	712	x	2 577	23	x	415	23 963	x	-	29 690
1973	189	-	861	612	1 871	4 645	x	x	495	43 378	x	x	52 169
1974	271	-	1 674	741	2 234	4 172	x	x	x	32 290	-	x	42 160
1975	108	-	545	834	x	2 105	x	x	224	x	22 015	-	28 942
1976	215	-	501	872	2 973	2 753	x	x	332	1 474	34 246	x	43 436
1977	109	-	x	902	2 628	3 429	29	x	325	1 597	45 937	x	56 817
1978	140	-	1 622	1 280	x	5 573	77	x	372	1 478	50 102	x	65 406
1979	305	-	2 637	1 607	11 299	7 589	x	x	2 451	99 676	x	x	126 210
1980	434	-	3 512	1 963	12 282	11 374	19 549	x	2 798	114 621	x	x	147 949
1981	791	x	2 713	2 197	11 658	8 525	x	x	908	x	54 577	x	84 185
1982	615	x	1 180	1 972	14 304	9 983	x	x	752	x	42 751	x	74 519
1983	570	x	1 101	x	17 516	11 600	471	x	938	x	59 001	x	98 463
1984	563	x	3 560	5 538	28 982	18 196	520	x	4 775	64 340	113	x	127 827
1985 p	1 098	x	2 394	6 161	36 628	17 239	x	x	x	63 114	x	x	133 008
B. Wood industries													
1970	x	x	835	722	10 746	10 789	399	x	361	4 089	11 323	-	-
1971	51	x	996	646	14 473	13 273	457	1 773	5 114	32 558	-	-	69 343
1972	73	x	1 775	1 081	32 502	22 433	627	4 851	15 921	82 103	x	-	162 635
1973	149	x	3 124	6 996	64 166	39 709	1 561	6 640	14 949	201 771	x	-	339 351
1974	31	x	4 219	6 879	40 992	37 986	1 455	2 210	8 552	80 340	x	-	182 922
1975	421	x	3 672	4 442	29 039	32 336	2 085	4 612	10 903	62 144	x	-	150 364
1976	x	x	4 959	1 918	37 071	35 027	3 192	2 980	17 526	142 174	-	-	245 446
1977	x	x	120	4 171	2 519	57 050	35 196	3 559	4 678	14 638	206 250	-	-
1978	x	x	128	3 879	4 234	65 469	52 091	3 981	10 233	25 071	391 233	-	-
1979	x	x	179	6 014	8 177	107 581	79 470	3 869	8 082	33 625	449 784	-	-
1980	253	116	x	3 647	62 435	57 150	2 856	3 399	15 243	170 238	x	201	318 650
1981	265	93	1 909	2 781	44 300	58 474	3 683	2 807	12 833	80 440	-	50	207 635
1982	250	78	2 004	2 425	38 132	46 399	3 150	1 522	8 671	30 931	-	x	133 575
1983	303	3 382	x	83 914	58 587	6 653	6 237	6 909	64 391	-	-	277	236 027
1984	357	276	5 095	10 136	105 775	65 467	6 775	5 979	8 195	56 870	x	x	265 182
1985 p	458	220	4 986	8 806	117 533	73 533	6 444	6 797	11 555	80 359	x	x	310 842

VII - 3. PROVINCIAL ALLOCATION OF TAXABLE INCOME BY FOREST INDUSTRY SECTOR AND PROVINCE, 1970-1985 (CONCLUDED)

Sector / year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon and N.W.T.	Other ^a	Canada
											\$000		
C. Paper and allied industries													
1970	94	-	3 803	2 438	25 414	58 362	4 696	239	8 316	42 877	-	40	146 279
1971	63	x	2 961	1 175	27 767	40 439	3 142	411	6 581	41 345	-	x	124 160
1972	125	-	3 022	1 081	38 277	46 339	2 455	457	5 438	53 904	-	407	151 505
1973	404	244	5 684	11 515	78 749	112 882	5 083	865	15 904	127 537	-	1 662	360 529
1974	19 466	x	11 700	32 087	278 793	261 061	10 402	1 746	35 206	92 699	-	1 046	744 411
1975	14 706	x	35 107	16 689	154 556	107 563	3 578	639	32 969	20 936	x	x	387 540
1976	365	-	26 872	3 216	107 528	70 511	1 904	4 221	34 611	125 506	x	x	375 114
1977	10 010	-	34 381	x	119 398	81 251	3 939	3 058	27 012	105 022	-	x	392 895
1978	35 689	35	34 085	6 379	252 538	151 874	2 620	972	18 892	140 532	-	x	644 059
1979	48 669	x	63 381	17 075	439 221	284 771	4 612	1 965	39 133	391 886	x	245	1 291 115
1980	55 351	x	100 660	40 659	486 492	409 936	9 395	34 455	54 367	184 971	-	x	1 378 262
1981	51 926	x	67 579	21 207	207 481	365 371	8 815	5 789	39 790	64 293	-	x	837 138
1982	2 351	-	29 912	4 868	139 634	108 902	6 685	x	33 316	10 054	-	x	336 571
1983	1 992	-	10 937	7 243	112 398	174 776	7 671	775	21 222	9 989	-	-	347 003
1984	12 533	x	35 143	20 477	260 302	275 447	10 652	x	43 878	20 136	-	x	680 540
1985 p	22 783	x	15 883	9 795	279 029	333 357	13 172	x	19 981	14 746	x	x	710 496
D. Forest industries													
1970	94	x	4 793	3 504	37 026	69 983	5 095	600	12 405	72 803	-	40	206 343
1971	320	x	4 134	2 349	44 003	54 666	3 665	2 184	12 223	90 302	-	x	214 173
1972	330	x	3 159	2 874	70 779	71 349	3 105	5 308	21 854	159 970	x	407	343 850
1973	742	244	9 669	19 123	144 786	157 236	6 644	7 505	30 853	372 686	x	1 662	752 049
1974	19 737	31	17 593	39 707	322 019	303 219	11 857	3 956	43 758	205 329	x	1 046	969 493
1975	14 814	421	39 324	21 965	183 596	142 004	5 663	5 475	43 872	105 095	x	x	566 846
1976	580	x	32 332	6 006	147 572	108 291	5 096	7 533	53 611	201 926	x	x	663 996
1977	10 119	120	38 552	3 421	179 076	119 876	7 527	8 061	43 247	357 209	x	x	782 167
1978	35 829	163	39 586	11 893	318 007	209 538	6 678	11 577	43 441	581 867	x	x	1 264 224
1979	48 974	179	72 032	26 859	558 101	371 830	8 481	10 047	75 209	941 346	x	x	735 2 115 021
1980	56 038	116	104 172	46 269	561 209	478 460	31 800	37 854	72 408	469 850	x	50	1 844 861
1981	52 982	93	72 201	26 185	263 439	432 370	44 298	9 504	52 623	199 310	x	197	1 128 958
1982	3 216	78	33 096	9 265	192 070	165 284	9 815	2 274	41 987	83 736	x	x	544 665
1983	2 858	303	15 420	7 243	213 828	244 963	14 795	7 950	28 131	133 381	x	277	681 493
1984	13 453	276	43 798	36 151	395 059	359 110	17 947	5 979	56 848	141 346	113	x	1 073 549
1985 p	24 339	220	23 263	24 762	433 192	424 129	19 616	6 797	31 536	158 219	x	x	1 153 346

Other: Including other jurisdictions.

Source: Statistics Canada Cat. No. 61-208 and 61-208P.

VII - 4. CAPITAL AND REPAIR EXPENDITURES BY FOREST INDUSTRIES, 1950-1987

Year	Quebec	Ontario	British Columbia	Atlantic provinces	Prairie provinces	Total
\$000 000						
A. Logging Industry						
1960	23.8	16.3	48.1	10.4	3.8	102.4
1970	28.5	26.5	103.3	10.7	3.5	172.5
1971	27.2	26.7	109.3	11.3	7.1	181.8
1972	28.9	31.5	134.2	13.3	8.6	216.0
1973	41.7	46.0	175.2	27.9	11.2	302.0
1974	71.3	58.6	215.2	30.2	16.1	391.4
1975	74.7	59.7	179.7	23.3	21.7	359.1
1976	57.9	54.7	231.2	22.5	15.7	382.0
1977	56.6	73.5	265.3	22.6	21.5	439.5
1978	66.4	80.0	307.5	22.3	26.3	502.5
1979	94.5	97.3	343.0	26.0	28.3	589.1
1980	107.0	126.4	401.0	33.9	40.7	709.0
1981	106.2	139.1	294.9	36.4	41.0	617.6
1982	68.8	81.6	205.9	21.3	25.3	402.9
1983	67.3	97.8	274.9	17.1	15.8	472.9
1984	74.9	120.4	307.8	19.5	18.7	541.3
1985	68.7	123.2	283.4	33.3	20.3	528.9
1986 p	59.0	107.6	266.6	31.7	16.1	481.0
1987 forecast	69.6	112.2	322.9	38.7	19.6	563.0
B. Wood Industries						
1950	..	10.1	28.1	..	..	54.2
1960	10.5	11.9	46.4	3.1	3.7	75.6
1970	25.8	30.3	139.9	9.4	18.9	224.3
1971	26.8	25.3	158.8	7.0	26.1	244.0
1972	46.2	39.8	167.7	9.6	24.4	287.7
1973	70.6	63.2	235.4	21.3	26.3	416.8
1974	83.3	92.2	212.2	25.3	31.1	444.1
1975	76.1	80.5	183.3	26.3	42.6	408.9
1976	67.9	58.6	225.0	28.7	64.9	445.1
1977	66.8	59.0	286.7	18.5	34.9	466.0
1978	66.5	69.8	390.8	26.2	37.5	590.9
1979	89.4	80.3	466.0	19.4	61.4	716.5
1980	108.6	104.7	508.1	21.6	53.1	796.1
1981	87.7	101.7	469.5	14.2	71.4	744.5
1982	150.6	80.0	295.0	9.7	51.1	586.4
1983	120.0	85.8	329.4	13.8	71.8	620.8
1984	115.2	105.8	403.3	23.7	52.7	700.7
1985	151.0	94.2	402.3	15.9	60.5	723.9
1986 p	127.6	101.0	420.0	14.8	126.8	790.0
1987 forecast	119.5	100.7	614.2	21.8	97.1	953.0

VII - 4. CAPITAL AND REPAIR EXPENDITURES BY FOREST INDUSTRIES, 1950-1987 (CONCLUDED)

Year	Quebec	Ontario	British Columbia	Atlantic provinces	Prairie provinces	Total
\$000 000						
C. Paper and allied industries						
1950	45.1	44.3	33.0	.. ^a	15.8	138.2
1960	95.2	64.9	56.3	47.7	5.2	269.4
1970	152.1	162.5	192.7	191.0	60.1	758.4
1971	122.8	160.2	261.5	194.4	42.6	781.5
1972	171.4	132.7	226.1	108.9	69.3	708.4
1973	263.3	162.1	154.5	56.5	76.4	712.8
1974	348.7	251.6	230.3	93.2	44.1	967.9
1975	308.8	282.6	199.4	110.5	53.4	954.7
1976	336.2	392.4	264.4	123.8	70.0	1 186.8
1977	371.7	385.2	316.6	145.6	70.3	1 289.4
1978	390.7	289.3	339.0	157.2	84.3	1 260.5
1979	434.4	404.8	391.2	234.6	85.9	1 550.9
1980	580.7	530.7	692.5	265.9	82.4	2 152.2
1981	724.6	898.7	964.9	385.1	112.3	3 085.6
1982	724.0	810.0	674.6	479.0	88.9	2 776.5
1983	651.5	493.3	305.7	349.2	89.1	1 888.8
1984	752.7	608.7	454.3	274.6	105.2	2 195.5
1985	994.8	908.8	534.1	566.3	166.4	3 170.4
1986 p	1 403.6	654.9	456.3	438.1	114.4	3 067.3
1987 forecast	1 444.0	731.7	764.4	414.2	289.9	3 644.2
D. Forest industries						
1960	129.5	93.1	150.8	61.2	12.7	447.3
1970	209.1	219.3	435.9	211.1	82.5	1 155.2
1971	176.8	212.2	529.6	212.7	75.8	1 207.3
1972	246.5	204.0	528.0	131.8	102.3	1 212.1
1973	375.6	271.3	565.1	105.5	113.9	1 431.6
1974	503.3	402.4	657.7	148.7	91.3	1 803.4
1975	459.6	422.8	562.4	160.1	117.7	1 722.6
1976	462.0	505.7	720.6	175.0	150.6	2 013.9
1977	495.1	517.7	868.6	186.7	126.7	2 194.8
1978	523.6	439.1	1 037.3	205.7	148.1	2 353.8
1979	618.3	582.4	1 200.2	280.0	175.6	2 856.5
1980	796.3	761.8	1 601.6	321.4	176.2	3 657.3
1981	918.5	1 139.5	1 729.3	435.7	224.7	4 447.7
1982	943.4	971.6	1 175.5	510.0	165.3	3 765.8
1983	838.8	676.9	910.0	380.1	176.7	2 982.5
1984	942.8	834.9	1 165.4	317.8	176.6	3 437.5
1985	1 214.5	1 126.2	1 219.8	615.5	247.2	4 423.2
1986 p	1 590.2	863.5	1 142.9	484.6	257.3	4 338.5
1987 forecast	1 633.1	944.6	1 701.5	474.7	406.7	5 160.2

^aIncluded in Prairie provinces.

Source: Statistics Canada Cat. No. 25-202 and 61-205.

VII - 5. GENERAL ECONOMIC INDICATORS BY QUARTER, 1982-1986

Year	Quarter	Real gross domestic product percent change (1981=100)		Consumer price index percent change (1981=100)	Unemployment rate (%)	Canadian dollar U.S. dollars		Merchandise trade (\$000 000)	Prime rate (%)	Toronto Stock Exchange 300 (1975-1000)
		1	2			3	4			
1982	1	-1.4	2.5	8.9	0.8273	3 624	16.67	1 682.0		
	2	-1.2	3.1	10.4	0.8037	4 345	17.42		1 479.6	
	3	-0.6	2.1	12.2	0.8002	5 204	16.08		1 542.4	
	4	-0.5	1.6	12.8	0.8121	4 649	13.08		1 856.8	
1983	1	1.3	0.6	12.5	0.8148	4 473	11.67		2 092.6	
	2	2.2	1.4	12.2	0.8123	5 069	11.00		2 402.8	
	3	1.9	1.6	11.6	0.8112	4 070	11.00		2 486.8	
	4	0.8	0.9	11.1	0.8075	4 035	11.00		2 484.8	
1984	1	1.0	1.3	11.4	0.7966	4 444	11.17		2 423.6	
	2	2.1	0.8	11.4	0.7737	5 187	12.00		2 258.0	
	3	1.0	0.9	11.3	0.7611	5 348	13.17		2 307.2	
	4	1.3	0.7	11.1	0.7585	5 747	11.92		2 374.0	
1985	1	0.8	1.2	11.1	0.7391	5 487	11.42		2 600.9	
	2	0.4	1.1	10.6	0.7303	4 479	10.58		2 694.7	
	3	0.8	0.9	10.3	0.7353	3 494	10.33		2 743.6	
	4	1.8	0.9	10.1	0.7250	4 014	10.00		2 810.9	
1986	1	0.6	1.2	9.7	0.7124	2 463	12.00		2 915.4	
	2	0.7	0.8	9.6	0.7224	2 703	10.58		3 095.5	
	3	0.2	1.2	9.7	0.7219	2 201	9.75		2 980.9	
	4	0.1	1.0	9.4	0.7222	2 766	9.75		3 050.6	

Source: Statistics Canada Cat. No. 13-001, 13-004, and 13-007.

VII - 6. GENERAL ECONOMIC INDICATORS, 1970-1986

Year	G.D.P. ^a at market price		G.D.P. in constant (1981 dollar)		Implicit price index		Consumer price index		Canadian dollar in U.S. dollars		Merchandise trade \$000 000		Conventional 5-year mortgage rate %	
	Value (\$000 000)	Percent change	Value (\$000 000)	Percent change	(1981=100)		Percent change (1981=100)	Percent change (1981=100)	Unemployment rate %	Canadian dollar in U.S. dollars	Merchandise trade \$000 000	Prime rate %	Conventional 5-year mortgage rate %	
					Percent change (1981=100)	Percent change (1981=100)								
1970	89 116	7.3	219 498	2.6	40.6	4.6	41.0	3.3	5.7	0.9579	3 052	8.17	10.45	
1971	97 290	9.2	232 137	5.8	41.9	3.2	42.2	2.9	6.2	0.9903	2 563	6.48	9.43	
1972	108 629	11.7	245 441	5.7	44.3	5.7	44.2	4.7	6.2	1.0096	1 857	6.00	9.21	
1973	127 372	17.3	264 369	7.7	48.2	8.8	47.6	7.7	5.5	0.9999	2 735	7.65	9.59	
1974	152 111	19.4	276 006	4.0	55.1	14.3	52.8	10.9	5.3	1.0225	1 689	10.75	11.24	
1975	171 540	12.8	283 187	2.6	60.6	10.0	58.5	10.8	6.9	0.9830	-451	9.42	11.43	
1976	197 924	15.4	300 638	6.1	65.8	8.6	62.9	7.5	7.1	1.0141	1 559	10.04	11.78	
1977	217 879	10.1	311 504	3.6	69.9	6.2	67.9	7.9	8.1	0.9403	2 975	8.50	10.36	
1978	241 604	10.9	325 751	4.6	74.2	6.1	73.9	8.8	8.3	0.8772	4 315	9.69	10.59	
1979	276 096	14.3	338 362	3.9	81.6	10.0	80.7	9.2	7.4	0.8238	4 425	12.90	11.17	
1980	309 891	12.2	343 384	1.5	90.3	10.7	88.9	10.2	7.5	0.8554	8 778	14.25	14.31	
1981	355 994	14.9	355 994	3.7	100.0	10.7	100.0	12.5	7.5	0.8342	7 292	19.29	18.15	
1982	374 750	5.5	344 082	-3.3	108.9	8.9	110.8	10.8	11.1	0.8108	17 822	15.81	17.89	
1983	405 425	6.2	354 784	3.1	114.3	5.0	117.2	5.8	11.9	0.8114	17 647	11.17	13.30	
1984	443 327	9.3	374 462	5.5	118.4	3.6	122.3	4.4	11.3	0.7722	20 726	12.06	13.61	
1985	476 361	7.5	389 324	4.0	122.4	3.4	127.2	4.0	10.5	0.7323	17 474	10.58	12.18	
1986	505 227	6.1	401 531	3.1	125.8	2.8	132.4	4.1	9.6	0.7197	10 133	10.52	11.22	

^aGross domestic product.

Source: Statistics Canada Cat. No. 13-001, 62-010, 67-001, 71-001, and Bank of Canada Review.

VII - 7. FOREST INDUSTRIES DIRECT CONTRIBUTION TO CANADIAN GROSS DOMESTIC PRODUCT (G.D.P.), 1970-1984

Year	G.D.P. at market price	Indirect taxes	Subsidies	G.D.P. at factor cost	Forestry services		Wood Industries		Paper and allied industries		Total forest industries	
					\$000 000	%	\$000 000	%	\$000 000	%	\$000 000	%
1970	86 648.1	12 054.9	755.9	75 349.1	-	-	831.2	1.0	1 566.4	1.9	3 067.1	3.7
1971	95 070.6	13 047.6	771.9	82 794.9	669.5	0.8	1 162.0	1.3	1 707.6	1.9	3 637.3	3.9
1972	106 517.0	14 759.9	883.9	92 641.1	767.7	0.8	1 653.6	1.5	2 149.4	2.0	4 793.1	4.4
1973	125 339.1	16 685.9	1 087.9	109 741.1	980.1	0.9	1 480.5	1.2	3 406.8	2.7	5 999.1	4.7
1974	150 406.7	20 876.0	2 619.1	126 911.6	1 111.8	0.9	-	-	-	-	-	-
1975	168 185.7	21 441.9	3 857.9	150 601.7	1 080.9	0.7	1 456.6	1.0	2 945.5	2.0	5 483.0	3.7
1976	194 902.0	24 864.0	3 344.0	173 582.0	1 359.8	0.8	1 936.0	1.1	3 436.3	2.0	6 712.1	3.9
1977	213 536.0	27 227.0	3 320.0	189 629.0	1 494.0	0.8	2 440.8	1.3	3 561.6	1.9	7 496.4	4.0
1978	238 219.0	29 090.0	3 527.0	212 656.0	1 681.0	0.8	3 010.2	1.4	4 027.1	1.9	8 718.3	4.1
1979	272 175.0	32 533.0	4 805.0	244 447.0	2 026.9	0.8	3 436.2	1.4	5 051.3	2.1	10 514.4	4.3
1980	306 651.0	36 085.0	7 352.0	277 918.0	2 133.1	0.8	3 019.5	1.1	5 934.7	2.1	11 087.3	4.0
1981	352 039.0	46 431.0	8 694.0	314 502.0	2 037.4	0.6	2 935.2	0.9	6 124.8	1.9	11 097.4	3.4
1982	370 105.0	48 582.0	8 226.0	329 749.8	1 824.2	0.6	2 333.1	0.7	5 316.3	1.6	9 473.6	2.9
1983	402 084.0	50 044.0	8 627.0	360 667.0	2 321.4	0.6	3 490.8	1.0	5 606.3	1.6	11 418.5	3.2
1984	436 870.0	55 102.0	10 952.0	392 720.0	2 416.9	0.6	3 405.2	0.9	6 495.0	1.7	12 317.1	3.1

Source: Statistics Canada Cat. No. 13-213 and 61-202.

VII - 8. FOREST INDUSTRIES DIRECT CONTRIBUTION TO CANADIAN GROSS DOMESTIC PRODUCT (G.D.P.) BY PROVINCE, 1984

Province	G.D.P. at market price	Indirect taxes	Subsidies	G.D.P. at factor cost†		Forestry services		Wood industries		Paper and allied industries		Total forest industries	
				\$000 000	%	\$000 000	%	\$000 000	%	\$000 000	%	\$000 000	%
Nfld.	5 995	676	133	5 452	52.8	1.0	8.1	0.1	x	x	x	x	x
P.E.I.	1 229	142	47	1 134	0.2	0.1	6.7	0.6	-	-	-	-	x
N.S.	10 444	1 402	440	9 482	39.9	0.4	48.4	0.5	186.1	2.0	274.4	2.9	
N.B.	8 074	1 166	267	7 175	193.8	2.7	87.8	1.2	272.2	3.8	553.8	7.7	
Atlantic	25 742	3 386	887	23 243	286.7	1.2	151.0	0.6	x	x	x	x	x
Que	97 631	13 636	2 303	86 298	389.9	0.5	876.3	1.0	2 255.0	2.6	3 521.2	4.1	
Ont.	167 741	22 710	2 046	147 077	442.6	0.3	657.6	0.4	2 070.0	1.4	3 170.2	2.2	
Man.	16 636	2 010	431	15 057	19.9	0.1	52.9	0.4	90.2	0.6	163.0	1.1	
Sask.	17 437	1 902	977	16 512	22.9	0.1	34.5	0.2	x	x	x	x	
Alta.	60 007	4 808	3 328	58 527	34.1	0.6	199.8	0.3	198.0	0.3	431.9	0.8	
Prairies	94 080	8 720	4 736	90 096	76.9	0.1	287.2	0.3	x	x	x	x	x
B.C.	49 974	6 562	936	44 348	1 220.8	2.8	1 433.1	3.2	1 248.3	2.8	3 902.2	8.8	
Yukon and N.W.T.	1 702	88	44	1 658	-	-	-	-	-	-	-	-	-
Total	436 870	55 102	10 952	392 720	2 416.9	0.6	3 405.2	0.9	6 495.0	1.7	12 317.1	3.1	

Source: Statistics Canada Cat. No. 13-213 and 61-202.

SECTION VIII

RELATED DATA

- Housing starts
- Transportation

VIII - I. TRANSPORT STATISTICS BY FOREST PRODUCTS, 1984-1986

	Railways	Trucking			Marine traffic						
		For hire			Cargo tonnes loaded (exports)	Tonnes unloaded (imports)	Cargo tonnes loaded (exports)	Tonnes loaded (exports)	Cargo tonnes loaded (imports)	Tonnes unloaded (imports)	Total
		Class 1-2	Class 3	Private	Total	Total	Total	Total	Total	Total	Total
	Revenue freight loaded domestically onto railway cars in Canada										
	1984	1985	1986		1984	1985	1986	1984	1985	1986	1984-1986
											1 000 t
Primary wood products	12 026	12 069	12 007	9 881	7 036	4 001	20 918	12 724	4 453	88	17 265
Logs and bolts	1 452	1 263	1 417	4 009	..	1 343	..	8 912	2 413	63	11 388
Pulpwood	2 137	1 994	1 813	7 64	..	2 366	..	3 809	2 037	10	5 856
Wood chips	8 437	8 812	8 777	4 926	..	..	..	..	..	..	1 773
Other primary products	..	..	182	..	292	..	4	15	21	1	5
Wood-fabricated materials	9 595	10 071	9 768	6 172	463	2 831	9 466	614	5 319	97	6 030
Lumber	8 270	8 545	8 356	4 702	..	2 706	..	599	5 099	63	5 760
Other wood products	1 325	1 526	1 412	1 470	..	125	..	15	220	34	269
Wood pulp and paper products	12 089	12 437	12 934	2 969	99	483	3 551	947	6 651	249	7 847
Wood pulp	5 499	5 766	6 220	174	..	-	..	468	3 397	55	3 941
Newsprint	5 124	5 174	5 163	2 248	..	281	..	402	2 782	--	3 184
Paperboard, pulpboard, fiberboard	1 466	1 497	1 531	547	..	202	..	56	473	193	722
Total forest products ^a	33 710	34 577	34 703	19 022	7 598	7 315	33 935	14 285	16 423	494	31 142
Total products	239 908	237 874	237 012	134 878	27 159	58 098	220 135	68 698	145 322	60 073	274 093
%	14.1	14.5	14.6	14.1	30.0	12.6	15.4	20.6	11.3	0.7	11.4
											1.3
											12.4

^aProducts transported in Canada in 1984 (1 000 t):

Primary wood products 50 209,
 Wood-fabricated materials 25 091,
 Wood pulp and paper products 23 487,
 Total forest products 98 787,
 Total products 737 136.

Source: Statistics Canada, Cat. No. 52-001, 53-222, 54-209 and 54-210.

VIII - 2. DWELLING UNITS^a STARTED BY PROVINCE, 1950-1986

Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Canada
1950	2 090	333	2 705	2 323	7 451	28 515	33 430	4 072	2 904	8 623	15 599	7 536	92 531
1955	2 026	272	4 047	1 780	8 125	28 589	42 282	5 132	4 339	8 387	17 858	12 004	108 858
1960	2 636	784	5 878	3 182	12 480	47 118	76 675	8 945	1 743	16 251	26 939	27 316	190 528
1965	3 658	1 363	7 308	4 930	17 259	51 782	89 980	10 705	3 560	25 602	39 867	34 765	233 653
1970	3 901	1 079	5 164	6 358	16 502	55 746	102 933	12 068	4 845	22 503	39 416	35 317	249 914
1975	4 831	2 122	7 734	7 235	21 922	59 550	110 536	11 531	6 386	20 977	38 894	37 627	268 529
1976	4 911	1 334	6 008	5 861	18 114	51 642	85 503	8 752	7 684	19 008	35 444	31 420	222 123
1977	5 342	847	6 366	6 983	19 538	54 741	79 968	7 845	10 505	24 707	43 057	34 152	231 456
1978	5 709	842	7 470	6 772	20 793	68 748	84 682	9 339	13 143	38 771	61 253	37 727	273 203
1979	3 719	824	7 495	4 308	16 346	57 580	79 130	9 410	12 825	38 075	60 310	32 358	245 724
1980	2 865	1 210	4 853	5 167	14 095	43 671	71 710	12 121	9 527	47 925	69 573	28 618	227 667
1981	2 999	1 068	4 538	5 021	13 626	41 730	56 887	5 772	11 742	39 947	57 461	27 345	197 049
1982	3 848	475	3 895	2 646	10 864	29 186	40 127	2 597	6 250	32 031	40 878	37 546	158 601
1983	3 210	203	3 715	2 188	9 316	29 645	50 161	2 824	5 972	38 470	47 266	41 585	177 973
1984	2 793	248	3 691	1 680	8 412	23 492	38 508	2 030	6 822	26 789	55 641	19 807	125 860
1985	3 281	673	5 697	4 742	14 393	40 318	54 939	5 985	7 269	17 134	30 388	22 607	162 645
1986	2 720	643	4 598	2 873	10 834	41 902	48 171	5 308	5 221	7 295	17 824	16 169	134 900
1987	2 854	788	6 923	4 142	14 707	48 031	64 871	6 557	5 354	8 337	20 248	17 969	165 826
1988	2 883	1 100	7 571	4 045	15 599	60 348	81 470	7 699	5 510	8 462	21 671	20 687	199 775

^aDwelling unit is defined as a structurally separate set of living premises with a private entrance (excluding mobile dwellings).

Source: Statistics Canada Cat. No. 64-002 and Canada Mortgage and Housing Corporation nation-wide survey.

VIII - 3. VALUE OF BUILDING CONSTRUCTION IN CANADA^a, 1961-1986

Year	Residential			Industrial	Commercial	Institutional	Other	Total
	New	Repair	Total					
1960	1 456	457	1 913	452	738	615	333	4 051
1970	3 138	871	4 009	1 000	1 287	1 330	473	8 098
1971	4 025	951	4 976	1 023	1 405	1 456	507	9 367
1972	4 820	1 051	5 871	927	1 706	1 249	575	10 328
1973	5 977	1 188	7 165	1 162	2 211	1 200	666	12 404
1974	7 010	1 451	8 461	1 556	2 969	1 383	877	15 246
1975	7 114	1 576	8 690	1 537	3 732	1 561	1 089	16 609
1976	10 853	1 817	12 669	1 479	3 628	1 594	1 101	20 471
1977	11 065	2 061	13 126	1 758	3 639	1 662	1 123	21 308
1978	11 451	2 329	13 780	1 586	3 876	1 682	1 310	22 234
1979	11 618	2 649	14 267	2 096	5 098	1 831	1 414	24 706
1980	11 010	2 862	13 872	3 025	5 912	2 171	1 560	26 540
1981	13 135	3 229	16 365	3 611	6 989	2 593	1 979	31 537
1982	10 148	3 433	13 581	3 044	7 063	3 092	2 062	28 842
1983	12 994	3 857	16 851	2 450	6 482	3 065	1 905	30 753
1984	12 580	4 067	16 647	2 708	7 129	2 924	2 003	31 411
1985p	14 437	4 313	18 750	3 215	8 201	3 143	2 025	35 334
1986 forecast	16 601	4 576	21 177	3 395	8 563	3 404	2 010	38 549

^aTotal value of construction work purchased by type of structure.

Source: Statistics Canada Cat. No. 64-201.

SECTION IX

WORLD FORESTRY

The world forestry figures were retrieved from the "1984 Yearbook of Forest Products." Publication of the Yearbook is made possible by the cooperation of various governments, which supplied most of the information in the form of replies to questionnaires. The Forestry Department of the Food and Agriculture Organization in collaboration with the Economic Commission for Europe compiled the results.

The time series published at the end of this section were compiled using the 1985 Yearbook data on tape released in April 1987.

The products are classified using the "United Nations Standard International Trade Classification (SITC) Revision 2."

**IX - 1. WORLD FOREST RESOURCES - FOREST AREAS AND GROWING STOCKS
BY REGION AND SPECIES GROUP**

Continents and countries	Forest areas						Growing stocks		
	Closed forest		Other wooded land		Total		Softwoods	Hardwoods	Total
	Softwoods	Hardwoods	Softwoods	Hardwoods	Total	%			
Total North America	287 792	171 564	220 245	54 875	508 037	226 439	734 478	37.9	28 500
Canada	204 255	59 845	145 910	26 390	350 165	86 235	436 400	43.7	15 500
United States	83 537	111 719	74 335	28 485	157 872	140 204	298 078	31.8	12 800
Central America and Mexico	25 038	47 230	-	348	25 038	47 578	72 614	26.9	1 900
South America	19 474	647 498	1 000	247 047	20 474	894 545	915 019	51.4	900
Africa	7 776	228 088	6 115	501 734	13 891	729 822	743 713	24.5	200
Europe, without USSR	88 413	48 592	9 576	12 321	97 989	60 913	158 902	50.5	8 000
USSR	593 700	197 900	86 200	50 800	679 900	248 700	928 600	41.5	65 300
Asia	86 552	275 270	15 688	90 722	102 258	365 992	468 230	18.5	6 000
Oceania	12 060	211 344	3 935	71 608	15 995	282 952	298 947	27.9	700
World	1 120 805	1 827 486	342 757	1 029 455	1 463 562	2 856 941	4 320 503	32.3	111 300

a including water.

Source: Forest resources 1980, Food and Agriculture Organization of the United Nations 1985. Cibula, E.J. Trends in timber supply and trade-in information review 1980. Department of the Environment, London.

IX - 2. WORLD PRODUCTION OF ROUNDWOOD, 1984

Trade area	Industrial roundwood							Fuelwood and charcoal	Total round- wood
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods			
1 000 m ³									
Total North America	309 586	168 524	12 834	490 944	400 400	90 543	108 119	599 063	
Canada	111 269	42 174	1 365	154 808	145 275	9 533	6 197	161 005	
United States	198 317	126 350	11 469	336 136	255 126	81 010	101 922	438 058	
Central America	7 327	2 870	886	11 083	7 841	3 242	45 512	56 595	
Mexico	4 339	2 760	162	7 261	6 539	722	13 501	20 762	
South America	47 278	27 469	7 063	81 810	32 907	48 903	214 777	296 587	
Brazil	31 744	20 900	5 026	57 670	23 402	34 268	164 507	222 177	
Chile	4 537	3 889	553	8 979	7 960	1 019	5 992	14 971	
Venezuela	610	-	26	636	-	636	686	1 322	
Africa	21 904	6 958	23 728	52 590	8 529	44 061	370 465	423 055	
Algeria	20	-	207	227	153	74	1 461	1 688	
Morocco	68	241	262	571	99	472	1 146	1 717	
Middle East - Africa	4 595	1 532	6 720	12 847	5 524	7 323	32 882	45 729	
- Asia	211	-	1 864	2 075	88	1 987	36 838	38 913	
Europe	153 635	108 443	26 384	288 462	209 398	79 064	54 751	343 213	
Western Europe	115 358	87 299	10 166	212 823	160 549	52 273	39 126	251 949	
Economic Community	41 275	21 499	4 957	67 731	43 259	24 472	22 154	89 885	
Belgium-Luxembourg	1 625	668	255	2 548	1 731	817	538	3 086	
Denmark	1 233	707	961	2 901	2 318	583	351	3 252	
France	18 611	8 974	672	28 257	15 227	13 030	10 424	38 681	
Germany, Fed. Rep.	13 690	8 008	1 280	22 978	17 669	5 309	3 800	26 778	
Greece	407	142	219	768	390	378	1 915	2 683	
Ireland	638	545	27	1 210	1 198	12	46	1 256	
Italy	2 333	980	1 102	4 415	1 131	3 284	4 844	9 259	
Netherlands	353	375	166	894	655	239	96	990	
United Kingdom	2 385	1 100	275	3 760	2 940	820	140	3 900	
Scandinavia	46 203	48 353	1 902	96 458	84 697	11 761	8 376	104 834	
Finland	17 633	18 656	1 433	37 722	32 012	5 710	3 153	40 875	
Norway	4 810	4 722	289	9 821	9 365	456	799	10 620	
Sweden	23 760	24 975	180	48 915	43 320	5 595	4 424	53 339	
Other Western Europe	19 692	15 723	2 078	37 493	27 850	9 643	4 646	42 139	
USSR	150 900	37 500	86 900	275 300	244 300	31 000	80 300	355 600	
Other Eastern Europe	46 465	22 868	17 447	86 780	53 592	33 188	19 575	106 355	
Asia	153 431	20 689	55 081	229 201	82 252	146 949	712 188	941 389	
China, People's Rep.	40 784	5 313	30 917	77 014	48 355	28 659	154 636	231 650	
Hong Kong	-	-	-	-	-	-	180	180	
India	14 791	1 208	4 274	20 273	2 231	18 042	221 812	242 085	
Japan	20 396	10 383	1 454	32 233	21 071	11 162	586	32 819	
Korea, Rep. of (South)	1 137	317	812	2 266	1 667	599	4 409	6 675	
Southeast Asia	64 057	1 841	7 630	73 528	692	72 837	191 588	265 116	
Oceania	13 669	11 215	1 366	26 250	14 029	12 222	8 789	35 039	
Australia	7 358	7 322	722	15 412	5 378	10 034	2 874	18 286	
New Zealand	4 583	3 665	636	8 884	8 516	368	50	8 934	
World	857 730	383 669	214 242	1 455 641	999 657	455 983	1 594 901	3 050 542	

Source: Food and Agriculture Organization of the United Nations. 1984 Yearbook of Forest Products.

IX - 3. WORLD PRODUCTION OF LUMBER, 1984

Trade area	Lumber			Railway ties	Total lumber and railway ties
	Softwoods	Hardwoods	Total		
1 000 m ³					
Total North America	121 587	15 958	137 545	210	137 755
Canada	48 587	1 288	49 875	-	49 875
United States	73 000	14 670	87 670	210 ^a	87 880
Central America	2 111	805	2 917	263	3 181
Mexico	1 451	45	1 496	215 ^a	1 711
South America	9 496	13 100	22 596	132	22 728
Brazil	7 475 ^a	8 377 ^a	15 852 ^a	-	15 852
Chile	1 710	288	1 998	3 ^a	2 001
Venezuela	-	210 ^a	210 ^a	-	210
Africa	1 918	7 087	9 005	330	9 335
Algeria	8 ^a	2 ^a	10 ^a	3 ^a	13
Morocco	94 ^a	55 ^a	149 ^a	-	149
Middle East - Africa	3 407	855	4 263	125 ^a	4 388
- Asia	34	56 ^a	90 ^a	-	90
Europe	68 986	17 733	86 719	1 282	88 001
Western Europe	53 661	11 476	65 137	681	65 818
Economic Community	17 638	7 573	25 211	437 ^a	25 648
Belgium-Luxembourg	440	250	690	52 ^a	742
Denmark	400 ^a	400	800	29 ^a	829
France	5 667	3 485	5 152	209 ^a	9 361
Germany, Fed. Rep.	8 321	1 602	9 923	93	10 016
Greece	191	130	321	-- ^a	321
Ireland	285	5	290	-	290
Italy	1 003	1 179	2 182	52	2 234
Netherlands	153	182	335	--	335
United Kingdom	1 178	340	1 518	2 ^a	1 520
Scandinavia	22 290	288	22 578	61 ^a	22 639
Finland	8 146	86	8 232	33	8 265
Norway	2 350	12	2 362	2 ^a	2 364
Sweden	11 794	190	11 984	26 ^a	12 010
Other Western Europe	11 241	1 459	12 700	173	12 873
USSR	84 000 ^b	12 000 ^b	96 000 ^b	-	96 000
Other Eastern Europe	17 817	8 413	26 230	611	26 841
Asia	47 218	42 897	90 116	790	90 906
China, People's Rep.	15 330	9 014	24 344	66	24 410
Hong Kong	-	248 ^a	248 ^a	-	248
India	1 480 ^a	9 249 ^a	10 729 ^a	252 ^a	10 981
Japan	23 293	5 305	28 598	69 ^a	28 667
Korea, Rep. of (South)	2 510 ^a	942 ^a	3 452 ^a	66 ^a	3 518
Southeast Asia	59	15 984	16 043	181 ^a	16 224
Oceania	3 264	2 108	5 372	210	5 582
Australia	1 144	1 881	3 025	196 ^a	3 221
New Zealand	2 060	36	2 096	14 ^a	2 110
World	338 580	111 689	450 269	3 218	453 487

^aUnofficial figure.^bFAO estimate.

Note: Because production in Canada and the United States is based largely on nominal sizes, the actual wood volume is overstated by about one-third for these countries.

Source: Food and Agriculture Organization of the United Nations. 1984 Yearbook of Forest Products.

Trade area	Plywood	Particle-board	Veneer sheets	Hardboard and building board	Rigid insulating board	Total panels
1 000 m ³						
Total North America	19 830	8 957	474	2 156	3 238	34 655
Canada	1 846	2 034	474 ^a	161	529	5 044
United States	17 984	6 923	-	1 995	2 709	29 611
Central America	348	403	10	113	-	874
Mexico	286	379	2	65	-	732
South America	1 196	1 188	364	657	231	3 636
Brazil	902 ^a	660 ^a	234 ^a	527 ^a	200 ^a	2 523
Chile	20	114	9	40	-	183
Venezuela	47	78 ^a	-	-	4 ^a	129
Africa	525	447	504	131	33	1 640
Algeria	23 ^a	24 ^a	2 ^a	-	-	50
Morocco	50 ^a	30 ^a	25 ^a	-	-	105
Middle East - Africa	186	744	12	96	10	1 049
- Asia	10	36 ^a	1	-	8 ^a	54
Europe	3 160	22 524	1 640	2 960	1 159	31 443
Western Europe	2 361	17 846	1 306	1 748	714	23 975
Economic Community	1 377	11 914	847 ^a	705	176	15 019
Belgium-Luxembourg	58	1 750	35	-	6	1 849
Denmark	30 ^a	240	6 ^a	--a	-	276
France	476	1 760	58 ^a	143	52	2 489
Germany, Fed. Rep.	336	5 992	405	222	50 ^a	7 005
Greece	97	270	12 ^a	18 ^a	-	397
Ireland	-	30	-	-	-	30
Italy	346	1 300	309	250	-	2 205
Netherlands	17	30	-	-	39	86
United Kingdom	17	542	22 ^a	72	29	682
Scandinavia	669	1 899	31 ^a	442	410	3 451
Finland	592	541	18 ^a	103	111	1 365
Norway	11	380	-	66	163	620
Sweden	66	978	13 ^a	273	136	1 466
Other Western Europe	174	3 274	183	413	128	4 172
USSR	2 385	6 860	476 ^a	1 707 ^a	1 506 ^a	12 934
Other Eastern Europe	940	5 437	579	1 400	445	8 801
Asia	16 366	2 303	1 153	1 125	333	21 279
China, People's Rep.	1 634	120	7	627	-	2 388
Hong Kong	12 ^a	-	-	-	-	12
India	180 ^a	21 ^a	4 ^a	21 ^a	2 ^a	228
Japan	7 291 ^a	1 221 ^a	300 ^a	257	305	9 374
Korea, Rep. of (South)	1 304	44 ^a	-	9	-	1 357
Southeast Asia	5 668	35	819	98	16	6 636
Oceania	150	785	51	200	44	1 231
Australia	82	645	29 ^a	90	12	858
New Zealand	55 ^a	140 ^a	4 ^a	110	32	341
World	43 960	43 466	4 673	9 049	6 544	107 693

^aFAO estimate.

IX - 5. WORLD PRODUCTION OF WOOD PULP, 1984

Trade area	Chemical	Semi-chemical	Mechanical	Dissolving	Total wood pulp
1 000 t					
Total North America	51 685	4 051	13 823	1 315	70 874
Canada	11 099	331	8 800	221	20 451
United States	40 586	3 720	5 023	1 094	50 423
Central America	413	-	67	4	484
Mexico	413	-	65	4 ^a	482
South America	4 244	287	469	43	5 043
Brazil	3 014	104	275 ^a	40 ^a	3 433
Chile	682	-	157	-	839
Venezuela	63 ^b	-	4 ^b	-	67
Africa	652	129	170	406	1 357
Algeria	-	-	-	-	-
Morocco	95	-	-	-	95
Middle East - Africa - Asia	211	3	152	11 ^a	377
Europe	20 727	1 518	10 239	1 217	33 701
Western Europe	17 960	1 241	9 657	893	29 751
Economic Community	2 385	436 ^a	2 688 ^a	201	5 710
Belgium-Luxembourg	225	-	120	-	345
Denmark	-	68	-	-	68
France	1 447	120	460	8	2 035
Germany, Fed. Rep.	583	77	1 399	163	2 222
Greece	-	-	15 ^a	-	15
Ireland	-	-	-	-	-
Italy	130	72	474	30	706
Netherlands	-	-	146	-	146
United Kingdom	-	99 ^a	74 ^a	-	173
Scandinavia	11 846	622	6 238	430	19 136
Finland	4 568	301 ^a	2 958	204	8 031
Norway	582	73	1 083	126	1 864
Sweden	6 696	248	2 197	100	9 241
Other Western Europe	3 226	61	602	179	4 068
USSR	6 670	366 ^a	1 921 ^a	846 ^a	9 803
Other Eastern Europe	3 270	399	711	407	4 787
Asia	8 689	620	2 359	438	12 107
China, People's Rep.	1 000	-	355	-	1 355
Hong Kong	-	-	-	-	-
India	420	77	77	175	749
Japan	6 755	540	1 563	252	9 110
Korea, Rep. of (South)	121	-	137	-	258
Southeast Asia	123	-	40	-	163
Oceania	876	229	876	-	1 981
Australia	253	207	363	-	823
New Zealand	623 ^a	22 ^a	513 ^a	-	1 158
World	93 957	7 200	29 925	4 269	135 350

^aUnofficial figure^bFAO estimate.

Note: Canada produces about 15% of the world output of wood pulp.

Source: Food and Agriculture Organization of the United Nations. 1984 Yearbook of Forest Products.

Trade area	Newsprint	Printing and writing paper	Wrapping and packaging paper and board	Tissue and sanitary paper	Other paper and paperboard	Total
1 000 t						
Total North America	14 043	18 291	36 766	4 997	2 491	76 588
Canada	9 014	1 943	2 865 ^a	400 ^a	-	14 222
United States	5 029	16 348	33 901 ^a	4 597 ^a	2 491	62 366
Central America	199	511	1 290	319	98	2 417
Mexico	199	461	1 198	273	60	2 191
South America	493	1 563	3 166	536	495	6 253
Brazil	109	1 075	1 911	271	402	3 768
Chile	170	61	111	27	6	375
Venezuela	-	113 ^b	330 ^b	103 ^b	11	557
Africa	590	434	1 170	119	151	2 464
Algeria	-	30 ^a	47 ^a	-	-	77
Morocco	-	28	48 ^a	-	17	93
Middle East - Africa	154	214	280 ^a	31	124	803
- Asia	-	43	67 ^a	-	15	125
Europe	6 896	18 000	22 080	2 807	5 650	55 433
Western Europe	6 544	17 105	20 157	2 572	3 566	49 944
Economic Community	1 736	10 222	10 986	1 711	1 806	26 461
Belgium-Luxembourg	110	438	22	10	332	912
Denmark	-	165	117 ^a	14 ^a	36	332
France	265	2 178	2 730 ^a	231 ^a	163	5 567
Germany, Fed. Rep.	721	3 779	3 447	615	597	9 159
Greece	15 ^a	53 ^a	83 ^a	85 ^a	41	277
Ireland	-	-	20 ^a	-	-	20
Italy	207	2 005	2 004	176	330	4 722
Netherlands	182	580	922	149	52	1 885
United Kingdom	236	1 024	1 641	431	255	3 587
Scandinavia	4 225	4 602	5 841 ^a	456 ^a	626	15 750
Finland	1 878	2 970	2 009	161	300	7 318
Norway	840	298	355 ^a	25 ^a	44	1 562
Sweden	1 507	1 334	3 477 ^a	270 ^a	282	6 870
Other Western Europe	554	1 942	3 133	405	411	6 445
USSR	1 482 ^a	1 249 ^a	-	-	6 825	9 556
Other Eastern Europe	381	1 234	2 121 ^a	235	2 806	6 777
Asia	4 557	8 527	12 895	1 274	5 469	32 722
China, People's Rep.	1 143	2 060	-	-	3 718	6 921
Hong Kong	-	-	35	1	-	36
India	350	820	800	10	-	1 980
Japan	2 553	4 551	10 099 ^a	1 074	1 067	19 344
Korea, Rep. of (South)	220	475	1 262	85	165	2 207
Southeast Asia	83	247	349	73	263	1 015
Oceania	656	260	663	166	505	2 250
Australia	378	222	355	125	440	1 520
New Zealand	278 ^a	38	308	41	65	730
World	28 916	48 835	78 031	10 218	21 683	187 683

^aUnofficial figure^bFAO estimate.

Note: Canada produces 31.2% of the world's newsprint.

Source: Food and Agriculture Organization of the United Nations. 1984 Yearbook of Forest Products.

IX - 7. WORLD EXPORTS OF FOREST PRODUCTS, 1984

Trade area	Lumber and railway ties					Paper and paperboard		
	Roundwood	Softwood lumber		Panel products	Wood pulp	News- print	Total	Total
		Total						
U.S.\$000 000								
Total North America	1 642	3 762	4 141	585	4 502	3 809	6 390	17 261
Canada	268	3 232	3 306	349	3 019	3 695	4 577	11 519
United States	1 374	530	835	236	1 483	114	1 813	5 742
Central America	2	36	39	17	-	-	38	96
Mexico	--	4 ^a	4	9	-	-	5	18
South America	37	94	316	189	596	44	466	1 604
Brazil	2	26	144	140	396	2	346	1 029
Chile	30	68	74	9	200	40	58	371
Venezuela	-	-	-	-	-	-	-	-
Africa	490	13	125	150	214	43	64	1 042
Algeria	-	-	-	-	-	-	-	-
Morocco	-	-	-	2	17	-	1	20
Middle East - Africa	18	25	26	20	-	-	40	104
- Asia	-	-	-	-	-	-	-	-
Europe	929	3 055	3 689	1 833	3 131	1 442	12 113	21 694
Western Europe	725	2 726	3 233	1 698	3 066	1 417	11 779	20 502
Economic Community	429	198	519	961	264	143	4 818	6 991
Belgium-Luxembourg	52	23	29	212	66	12	241	601
Denmark	28	18 ^a	30	41	14	-- ^a	121	233
France	165	13	140	194	92	3 ^a	790	1 380
Germany, Fed. Rep.	136	108	186	304	67	68	1 772	2 465
Greece	--	-- ^a	2	14	-	--	15	31
Ireland	6	6 ^a	9	3	--	-- ^a	16	35
Italy	2	13	29	111	23	19	560	725
Netherlands	19	14	80	32	--	30	723	854
United Kingdom	22	4	11	50	2	11	582	667
Scandinavia	147	1 954	1 964	410	2 240	1 254	5 818	10 579
Finland	81	715	719	287	684	587	2 873	4 642
Norway	18	57	57	19	208	223	486	787
Sweden	49	1 182	1 188	104	1 348	443	2 460	5 150
Other Western Europe	119	545	578	270	520	14	1 037	2 524
USSR	752	894 ^a	915	198	383	145 ^a	360	2 609
Other Eastern Europe	234	358	628	191	107	31	440	1 599
Asia	1 797	74	1 356	1 636	34	37	884	5 706
China, People's Rep.	15	15	36	287	12	-	65	415
Hong Kong	1	--	19	1	-	1	31	51
India	3	-	--	10	-	-	2	15
Japan	8	1	20	70	17	26	600	715
Korea, Rep. of (South)	-	24	26	118	-	--	53	197
Southeast Asia	1 673	2	1 171	1 130	5	6	88	4 068
Oceania	323	47	65	31	114	51	138	670
Australia	170	1	11	4	-	1	30	215
New Zealand	46	45 ^a	45	20	114	50 ^a	108	333
World	5 971	7 975	10 646	4 639	8 974	5 571	20 452	50 682

^aFAO estimate.

Note: Canada accounts for 22.7% of total world exports of forest products.

Source: Food and Agriculture Organization of the United Nations. 1984 Yearbook of Forest Products.

Trade area	Lumber and railway ties				Paper and paperboard			
	Roundwood	Softwood lumber	Total	Panel products	Wood pulp	News- print	Total	Total
U.S.\$000 000								
Total North America	224	2 642	2 969	865	1 939	3 370	5 627	11 624
Canada	128	84	246	99	94	-	438	1 005
United States	96	2 557	2 723	766	1 845	3 370	5 189	10 618
Central America	15	185	264	75	106	89	659	1 118
Mexico	4	29 ^a	62	9	81	32 ^a	228	383
South America	26	51	96	51	173	262	676	1 023
Brazil	8	-	10	7	11	67	138	175
Chile	--	-	-	-	-	-	49	49
Venezuela	16	18 ^a	28	32	77	82 ^a	133	286
Africa	153	618	784	265	138	85	714	2 054
Algeria	35	185 ^a	188	48	29	8 ^a	48	348
Morocco	31	49 ^a	60	4	8	2 ^a	57	160
Middle East - Africa	119	525 ^a	637	477	81	79 ^a	599	1 914
- Asia	71	317	363	118	4	42 ^a	176	733
Europe	1 929	3 665	5 253	2 490	4 942	1 551	10 639	25 253
Western Europe	1 823	3 359	4 936	2 382	4 658	1 491	10 255	24 056
Economic Community	1 091	2 988	4 362	2 048	4 047	1 393	8 968	20 516
Belgium-Luxembourg	111	93	224	112	198	55	572	1 218
Denmark	18	200 ^a	249	144	47	66 ^a	397	855
France	203	218	337	202	618	157 ^a	1 174	2 534
Germany, Fed. Rep.	260	526	793	493	1 313	338	2 233	5 091
Greece	30	58	64	8	64	28	119	285
Ireland	5	40 ^a	64	35	5	30 ^a	180	289
Italy	383	561	839	137	730	72	698	2 787
Netherlands	44	259	470	254	271	114	1 089	2 128
United Kingdom	38	1 033	1 323	663	800	532	2 506	5 329
Scandinavia	419	95	147	159	119	--	395	1 239
Finland	223	--	12	13	19	-	71	337
Norway	62	83	99	54	50	-	139	403
Sweden	135	11	36	92	51	--	185	499
Other Western Europe	268	257	407	162	409	94	831	2 077
USSR	26	18 ^a	79	40	141	17 ^a	673	959
Other Eastern Europe	151	325	337	121	367	65	446	1 421
Asia	5 496	1 107	1 817	868	1 792	673	2 932	12 905
China, People's Rep.	874	4	124	80	281	67	394	1 752
Hong Kong	54	2	29	99	2	47	382	567
India	3	-- ^a	2	--	39	104 ^a	167	212
Japan	3 762	575	828	71	979	163	491	6 131
Korea, Rep. of (South)	567	3	3	-	236	-	55	862
Southeast Asia	82	2	178	98	162	178	700	1 220
Oceania	2	153	224	53	88	98	494	861
Australia	--	135	199	41	84	88	426	750
New Zealand	1	5 ^a	10	3	4	8 ^a	46	64
World	7 871	8 439	11 487	4 706	9 319	6 146	22 414	55 797

^aFAO estimate.

Note: Canada accounts for only 1.8% of total world import of forest products.

Source: Food and Agriculture Organization of the United Nations. 1984 Yearbook of Forest Products.

Trade area	Lumber and railway ties				Paper and paperboard		
	Roundwood	Softwood	Panel products	Wood pulp	News- print	Total	
		Lumber					
	1 000 m ³	1 000 m ³	1 000 m ³	1 000 m ³	1 000 t	1 000 t	1 000 t
Total North America	580 467	112 022	128 072	35 565	64 857	12 794	73 402
Canada	159 393	12 082	13 730	3 731	13 606	882	4 674
United States	421 074	99 940	114 342	31 834	51 251	11 912	68 728
Central America	56 653	2 835	4 186	1 100	768	389	3 425
Mexico	20 775	1 632 ^a	2 000	761	703	266 ^a	2 476
South America	295 760	8 955	21 761	3 178	4 002	888	6 299
Brazil	222 182	7 395 ^a	15 656	2 132	2 478	270	3 281
Chile	14 065	848	1 115	133	346	60	298
Venezuela	1 429	120 ^a	405	207	297	156 ^a	763
Africa	418 725	5 435	13 020	1 851	1 252	641	3 262
Algeria	1 973	1 108 ^a	1 126	143	73	20 ^a	156
Morocco	1 861	470 ^a	574	117	58	4 ^a	170
Middle East - Africa	46 306	5 805 ^a	7 242	2 274	544	311	1 599
- Asia	39 290	1 834	2 100	352	10	109	459
Europe	359 450	71 635	93 088	34 177	37 412	6 714	52 521
Western Europe	270 868	56 204	71 303	26 678	32 811	6 194	46 763
Economic Community	95 057	36 688	47 806	19 967	14 193	4 769	36 122
Belgium-Luxembourg	5 535	1 050	1 658	949	640	223	1 582
Denmark	2 264	1 645 ^a	2 121	661	128	173	889
France	36 795	7 045	10 431	2 758	3 405	578	6 811
Germany, Fed. Rep.	26 538	11 139	13 333	7 765	4 868	1 426	10 786
Greece	2 884	519	670	423	152	81	467
Ireland	900	475 ^a	540	132	8	54 ^a	245
Italy	15 025	4 935	7 308	2 598	2 344	355	5 335
Netherlands	1 220	2 046	2 814	1 081	746	415	2 415
United Kingdom	3 895	7 835	8 931	3 601	1 903	1 465	7 593
Scandinavia	115 438	9 567	10 001	2 473	14 021	660	3 835
Finland	47 393	3 346	3 472	652	6 518	203	1 326
Norway	11 897	2 346	2 397	636	1 410	167	575
Sweden	56 147	3 874	4 132	1 185	6 093	290	1 934
Other Western Europe	45 175	7 587	9 734	3 088	3 656	746	5 716
USSR	338 530	77 042 ^a	89 090	12 040	9 137	1 174 ^a	9 538
Other Eastern Europe	103 779	17 794	25 547	8 649	5 542	539	6 848
Asia	978 766	53 147	93 059	17 716	16 167	5 899	36 301
China, People's Rep.	241 622	15 333	24 879	2 005	2 080	1 330	7 347
Hong Kong	829	12	348	231	3	110	753
India	242 088	1 487 ^a	10 992	217	816	545 ^a	2 232
Japan	73 892	26 980	33 191	9 603	11 220	2 783	19 422
Korea, Rep. of (South)	12 611	2 387 ^a	3 389	980	829	220	2 183
Southeast Asia	244 607	57	10 536	2 048	554	477	2 097
Oceania	25 415	3 739	6 267	1 220	1 748	719	2 598
Australia	11 704	1 948	4 249	941	1 053	568	2 096
New Zealand	7 659	1 672 ^a	1 734	252	695	147 ^a	479
World	3 053 766	334 810	448 542	106 845	135 344	29 218	187 345

^aFAO estimate.Source: Food and Agriculture Organization of the United Nations. 1984 Yearbook of Forest Products.

**IX - 10. APPARENT CONSUMPTION OF FOREST PRODUCTS BY MAJOR COMMODITY GROUP
AND SELECTED COUNTRIES, 1961-1985**

Country/ year	Lumber and railway ties				Paper and paperboard		
	Roundwood	Softwood lumber	Total	Panel products	Wood pulp	Newsprint	Total
		1 000 m^{3}	1 000 m^{3}	1 000 m^{3}	1 000 m ³	1 000 †	1 000 †
A. Canada							
1961	91 109	7 007	8 085	1 374	8 027	422	2 241
1965	100 792	9 226	10 531	1 969	9 810	481	3 031
1970	117 973	8 470	9 811	2 951	11 592	657	3 347
1975	115 955	11 298	12 709	4 168	9 927	661	3 440
1980	157 742	14 600	16 611	3 692	12 842	918	4 094
1981	143 504	12 630	14 220	3 945	12 661	959	4 655
1982	128 768	9 591	10 826	2 788	11 031	1 039	4 096
1983	155 292	13 970	15 295	3 891	12 551	1 011	4 437
1984	163 466	12 084	13 877	3 702	13 606	1 065	4 858
1985	171 284	14 518	16 217	4 084	13 675	1 043	5 158
B. United States							
1961	291 309	69 145	83 454	11 552	23 917	6 655	34 910
1965	320 518	78 193	96 268	17 877	30 712	7 637	42 298
1970	315 422	75 711	93 090	25 203	37 676	9 032	49 773
1975	291 896	71 933	85 697	26 211	37 187	8 503	48 314
1980	399 337	84 022	101 108	27 401	46 448	10 673	60 577
1981	404 209	75 957	91 886	28 385	47 564	10 837	61 307
1982	379 778	76 069	87 211	24 197	45 022	10 219	58 584
1983	420 764	97 751	106 697	30 317	48 091	10 697	63 094
1984	435 230	100 448	114 837	31 834	51 263	11 912	68 575
1985	429 643	102 556	116 876	33 520	49 629	12 324	67 854
C. World							
1961	2 067 194	262 913	344 211	26 335	61 607	14 477	77 466
1965	2 241 074	292 152	382 128	42 080	77 756	16 918	97 206
1970	2 473 640	311 627	413 503	69 839	101 646	21 408	125 898
1975	2 595 637	303 845	404 308	84 380	101 772	20 874	130 406
1980	2 945 169	330 769	447 867	100 583	125 197	25 656	168 263
1981	2 951 170	311 174	426 481	100 321	124 442	26 474	168 749
1982	2 943 501	309 316	420 020	95 129	119 189	25 604	166 365
1983	3 059 594	331 880	440 355	101 161	127 637	26 105	175 667
1984	3 133 861	340 288	458 330	105 690	134 993	28 185	189 348
1985	3 170 613	344 291	464 931	108 663	135 024	29 026	192 346

Source: Food and Agriculture Organization of the United Nations Special Compilation 1985.

**IX - 11. PRODUCTION OF FOREST PRODUCTS (QUANTITY) BY MAJOR COMMODITY GROUP
AND SELECTED COUNTRIES, 1961-1985**

Country/ year	Lumber and railway ties			Paper and paperboard			
	Roundwood	Softwood lumber	Total	Panel products	Wood pulp	Newsprint	
	1 000 m ³	1 000 m ³	1 000 m ³	1 000 m ³	1 000 t	1 000 t	
A. Canada							
1961	93 569	18 483	19 644	1 493	10 574	6 095	7 975
1965	103 670	24 302	25 782	2 314	13 221	7 003	9 758
1970	121 385	25 408	26 932	3 288	16 609	7 996	11 253
1975	115 276	25 742	26 715	3 734	14 831	7 010	10 067
1980	158 842	42 895	44 324	4 802	19 945	8 625	13 390
1981	144 572	38 715	39 671	4 711	19 275	8 946	13 835
1982	129 673	36 689	37 746	3 790	17 007	8 117	12 408
1983	156 965	47 161	48 069	4 842	19 221	8 486	13 353
1984	165 185	48 587	49 971	5 044	20 451	9 014	14 222
1985	171 305	52 519	53 867	5 604	20 479	8 991	14 448
B. United States							
1961	289 770	61 086	75 161	10 832	22 759	1 863	30 758
1965	322 564	68 815	86 437	16 412	29 154	1 978	37 866
1970	327 945	64 971	81 854	23 026	37 318	3 143	45 805
1975	307 723	61 867	75 903	25 005	36 808	3 348	45 248
1980	418 453	66 500	84 024	26 224	46 187	4 238	56 839
1981	419 016	59 100	75 441	27 300	47 200	4 753	57 667
1982	396 896	58 700	70 177	23 000	44 786	4 574	54 899
1983	437 761	70 372	83 891	28 400	47 660	4 687	58 804
1984	452 215	73 508	88 375	29 611	50 398	5 029	62 366
1985	448 488	72 367	86 800	30 798	49 061	4 923	60 959
C. World							
1961	2 064 176	263 251	344 219	26 281	61 531	14 362	77 494
1965	2 235 834	293 171	382 476	41 893	77 806	17 017	97 615
1970	2 474 431	312 099	414 553	69 560	101 936	21 492	126 482
1975	2 597 646	304 700	405 042	84 435	102 132	20 442	130 474
1980	2 941 956	333 479	450 431	101 249	125 777	25 385	169 701
1981	2 945 040	313 542	428 494	100 438	125 117	26 497	170 185
1982	2 941 053	311 100	421 675	95 076	119 500	24 948	166 392
1983	3 052 853	334 852	447 793	101 640	128 143	25 988	176 956
1984	3 127 130	342 897	461 357	105 738	135 174	27 896	190 039
1985	3 165 020	344 974	465 162	108 788	134 891	28 318	192 792

Source: Food and Agriculture Organization Special Compilation 1985.

**IX - 12. EXPORTS OF FOREST PRODUCTS (QUANTITY) BY MAJOR COMMODITY GROUP
AND SELECTED COUNTRIES, 1961-1985**

Country/ year	Lumber and railway ties			Paper and paperboard			
	Roundwood	Softwood lumber	Total	Panel products	Wood pulp	Newsprint	Total
	1 000 m ³	1 000 m ³	1 000 m ³	1 000 m ³	1 000 †	1 000 †	1 000 †
A. Canada							
1961	3 781	11 832	12 169	210	2 603	5 673	5 881
1965	4 950	15 458	15 932	468	3 495	6 523	6 871
1970	5 598	17 337	17 743	579	5 063	7 339	8 073
1975	2 402	15 305	15 522	482	4 986	6 349	7 158
1980	4 249	28 966	29 326	1 344	7 244	7 707	9 555
1981	3 930	27 293	27 631	1 218	6 752	7 987	9 558
1982	3 564	27 605	27 903	1 171	6 123	7 078	8 642
1983	5 022	33 964	34 249	1 265	6 823	7 475	9 341
1984	5 737	37 131	37 484	1 619	7 040	7 949	9 903
1985	4 635	38 664	39 004	1 819	7 024	7 948	9 830
B. United States							
1961	2 662	1 450	1 797	43	1 068	165	946
1965	5 796	1 969	2 304	86	1 272	76	1 490
1970	16 391	2 720	3 035	304	2 808	130	2 421
1975	18 198	3 248	4 073	1 025	2 391	150	2 569
1980	22 362	4 647	5 834	968	3 392	159	4 120
1981	17 849	4 477	5 618	1 315	3 322	245	3 576
1982	19 759	3 818	4 694	917	3 060	279	3 288
1983	20 269	4 332	5 522	1 135	3 275	268	3 577
1984	19 937	3 748	5 016	1 048	3 215	278	3 488
1985	21 368	3 555	4 534	936	3 415	285	3 215
C. World							
1961	38 351	36 352	40 981	3 084	9 773	7 732	12 772
1965	49 768	43 950	49 434	5 292	12 480	8 985	16 489
1970	96 398	49 348	57 424	9 728	16 921	10 641	23 387
1975	100 943	43 250	52 410	12 436	15 078	9 369	23 074
1980	117 721	66 021	79 707	16 323	21 188	12 321	35 034
1981	101 138	60 730	72 623	16 759	20 197	12 922	35 356
1982	100 132	61 525	73 234	15 419	18 533	11 508	33 617
1983	102 113	70 662	83 832	17 390	21 022	12 155	36 746
1984	104 439	72 840	86 198	17 961	21 484	13 146	39 809
1985	107 749	73 757	85 953	18 920	21 771	13 403	40 292

Source: Food and Agriculture Organization Special Compilation 1985.

**IX - 13. EXPORTS OF FOREST PRODUCTS (VALUE) BY MAJOR COMMODITY GROUP
AND SELECTED COUNTRIES, 1961-1985**

Country/ year	Lumber and railway ties			Paper and paperboard			Total forest products	
	Roundwood	Softwood lumber	Total	Panel products	Wood pulp	Newsprint		
U.S.\$000 000								
A. Canada								
1961	39	343	366	35	332	730	764	
1965	50	456	490	70	459	809	866	
1970	71	614	650	77	753	1 065	1 192	
1975	58	933	961	94	1 789	1 714	1 980	
1980	172	2 793	2 884	274	3 311	3 143	3 883	
1981	162	2 471	2 553	255	3 186	3 608	4 272	
1982	175	2 311	2 378	251	2 622	3 309	3 975	
1983	222	3 169	3 238	301	2 481	3 250	3 998	
1984	268	3 232	3 306	349	3 019	3 695	4 577	
1985	207	3 316	3 381	355	2 484	3 958	4 794	
B. United States								
1961	55	62	84	10	159	23	212	
1965	127	94	120	23	190	11	317	
1970	407	162	194	42	464	19	515	
1975	871	342	413	222	897	52	1 101	
1980	2 007	778	1 054	284	1 629	86	2 017	
1981	1 585	653	926	349	1 656	140	2 013	
1982	1 528	576	805	251	1 408	143	1 714	
1983	1 372	596	898	311	1 351	127	1 719	
1984	1 374	530	835	236	1 483	114	1 813	
1985	1 451	493	754	228	1 343	131	1 559	
C. World								
1961	669	1 344	1 608	407	1 205	1 001	2 088	
1965	926	1 701	2 045	686	1 598	1 125	2 689	
1970	1 898	2 180	2 688	1 146	2 498	1 493	4 336	
1975	3 731	3 839	4 976	2 273	5 344	2 729	9 492	
1980	8 781	9 093	12 351	5 160	9 543	5 293	20 046	
1981	6 669	7 688	10 266	4 922	9 279	5 868	20 038	
1982	6 303	7 014	9 441	4 318	7 773	5 282	18 700	
1983	5 913	8 066	10 834	4 655	7 690	5 069	18 519	
1984	5 408	7 991	10 623	4 470	9 047	5 590	20 657	
1985	5 502	7 713	10 077	4 486	8 352	5 992	21 531	

Source: Food and Agriculture Organization of the United Nations Special Compilation 1985.

IX - 14. IMPORTS OF FOREST PRODUCTS (VALUE) BY MAJOR COMMODITY GROUP
AND SELECTED COUNTRIES, 1961-1985

Country/ year	Lumber and railway ties			Paper and paperboard			Total forest products	
	Roundwood	Softwood lumber	Total	Panel products	Wood pulp	Newsprint		
U.S.\$000 000								
A. Canada								
1961	14	15	31	14	8	-	42	
1965	27	17	36	20	12	-	51	
1970	30	21	39	36	8	-	48	
1975	63	70	127	143	28	-	247	
1980	82	92	251	76	64	-	224	
1981	84	108	255	129	67	-	321	
1982	80	58	157	54	68	-	273	
1983	102	99	240	95	66	-	338	
1984	128	84	246	99	94	-	438	
1985	136	82	230	100	91	-	424	
B. United States								
1961	39	274	315	108	303	687	718	
1965	35	318	375	192	398	790	833	
1970	46	424	487	265	480	930	1 022	
1975	52	834	920	334	1 037	1 457	1 614	
1980	94	1 767	1 915	586	1 673	2 638	3 314	
1981	97	1 699	1 851	660	1 753	2 825	3 347	
1982	91	1 569	1 671	504	1 485	3 749	4 338	
1983	114	2 646	2 800	853	1 485	2 817	3 734	
1984	96	2 557	2 723	766	1 845	3 370	5 067	
1985	80	2 772	2 942	791	1 517	3 720	5 222	
C. World								
1961	936	1 509	1 841	435	1 316	1 125	2 230	
1965	1 357	1 925	2 361	730	1 743	1 251	2 870	
1970	2 721	2 441	3 021	1 184	2 650	1 619	4 568	
1975	5 187	4 222	5 587	2 309	5 594	3 117	10 151	
1980	12 468	10 181	13 970	5 237	9 777	5 758	20 846	
1981	8 999	8 276	11 423	5 135	9 615	6 160	20 832	
1982	8 517	8 136	11 110	4 580	8 459	6 932	21 589	
1983	8 039	8 740	11 771	4 757	8 096	5 556	20 004	
1984	7 994	8 464	11 504	4 674	9 336	6 065	22 265	
1985	7 599	8 321	11 219	4 650	8 619	6 488	23 087	

Source: Food and Agriculture Organization of the United Nations Special Compilation 1985.

SECTION X

USER'S GUIDE

- Definitions of terms
- Trade area groupings

X. USER'S GUIDE

A. Definitions of Terms

Age class: Any interval into which the age range of trees, forests, stands, or forest types is divided for classification and use. Also the tree, forest, stand, or forest type falling into such an interval.

Balance of trade: The difference between the dollar, or money value, of a country's exports and imports of merchandise or of goods and services. If a country exports more than it imports, it has a trade surplus; if it imports more than it exports, it has a trade deficit. The balance of trade is an important part of a country's overall balance of payments.

Cansim (Canadian Socio-Economic Information Management System): A fully computerized data bank of Statistics Canada's current and historical information from its most widely used series of statistics.

Clear-cut: An area of forest land from which all merchantable trees have recently been harvested.

Constant dollar: Represents the value of expenditure or production measured in terms of some fixed base period's prices. (Changes in constant dollar expenditure or production can only be brought about by changes in the physical quantities of goods purchased or produced.)

Consumer price index: Measures the rate of change in a typical basket of consumer goods and services, including housing, food, and health care. It can be broken down into food and nonfood items, goods and services, and other components.

Domestic exports: Include both goods that are wholly produced in Canada and goods previously included in import statistics and which have been changed in form by further processing and then exported.

Employment, census of manufactures: Excludes working owners and partners of unincorporated businesses, which are separately tabulated. Respondents are asked for average number employed during the year. Production and related workers in manufacturing activity include those employees at the establishment engaged in processing, assembling, storing, inspecting, handling, and packing products and in maintenance, repair, janitorial, and security services; and working foremen. (Outside pieceworkers' remuneration is included in cost of materials.)

Employment, labor force survey: Persons who, during the reference period: a) did any work at all, for pay or profit in the context of an employer-employee relationship, or were self-employed (including unpaid family work, which is defined as work contributing directly to the operation of a family farm, business, or professional practice owned or operated by a related member of the household); or b) had a job but were not at work due to own illness or disability, personal or family responsibilities, bad weather, labor dispute, or other reasons (excluding persons on layoff and those with a job to start at a future date).

Even-aged: Of a forest, stand or forest type in which relatively small age differences exist between individual trees. (The maximum difference in age permitted is usually 10 to 20 years; if the stand will not be harvested until it is 100 to 200 years old, larger differences up to 25% of the rotation age may be allowed.)

Establishment: The smallest unit capable of reporting certain specified input and output data; usually a plant or mill. Numbers for 1975 declined owing to the exclusion of existing establishments deemed to have no paid employees. Principal statistics of an establishment active in more than one municipality are prorated to "quasi-establishment" locations, which are treated as establishments in compilations.

Exports: Sum of domestic exports and re-exports.

Forest biomass: It is the mass of the above-ground portion of live trees; it is expressed as ovendry tonnes; it includes small-diameter trees and it excludes dead trees and branches, roots, and nonwoody vegetation.

Forest land: Land primarily intended for growing, or currently supporting, forest. Includes land not now forested, e.g. clear-cut lands; northern lands that are forested, but not intended for any use; and plantations.

Fuel and electricity (cost of): Consumption of purchased fuel and electricity only, at laid-down cost including transportation and handling charges, duties, etc. Applies to large establishments only. Data for nonmanufacturing activity are included under manufacturing activity except where an ancillary office uses a separate "head office" report. In this latter case, the fuel reported is included under cost of materials for "Total Activity" only.

Gross merchantable volume of wood: Volume of the main stem, excluding stump and top but including defective and decayed wood, of trees or stands of trees.

Growing stock: The sum (by number, basal area, or volume) of trees in a forest or specified part of it.

Hardwood(s): Trees belonging to the botanical group Angiospermae with broad leaves usually all shed annually. Also, stands of such trees and the wood produced by them.

Immature: In even-aged management, those trees or stands that have grown past the regeneration stage, but are not sufficiently developed to be harvestable (except for thinning operations).

Implicit price index: The most comprehensive of all the indicators available in Canada for measuring price change, because it covers the entire range of goods and services produced and sold in the economy. It is, therefore, used as a measure of price change taking place in the economy as a whole. Moreover, implicit price indexes are available for each of the main expenditure components of Gross National Product. Therefore, this set of indicators can be used to trace and identify pressure points among the principal areas of demand as they are seen to be associated with inflationary developments in the economy.

Imports: Goods and services that are consumed in one country, Canada, for example, but produced in other countries. It includes all goods that are cleared by customs on arrival in Canada, together with goods that are held in customs warehouses. The following commodity movements are excluded from import statistics: settlers' effects; private donations and gifts; goods imported by foreign representatives in Canada or brought back by Canadians returning from postings abroad; and temporary imports for exhibition or competition, including films. Bunker supplies and ships' stores purchased by Canadian vessels or aircraft abroad, temporary imports, and goods merely in transit through Canadian territory are not reflected in any of the statistics.

Indirect taxes: Taxes that represent a business cost or that are incorporated into prices at the retail level are taken here as indirect. They constitute, in effect, taxes on expenditure.

Inventory (forest): A survey of a forest area to determine such data as area condition, timber, volume and species, for specific purposes such as planning, purchase, evaluation, management or harvesting.

Lumber: The product of saw and planing mills that is not further manufactured beyond sawing, resawing, passing lengthwise through a standard planing machine, crosscutting to length, and matching.

Materials and supplies (cost of): Generally, consumption of purchased items only at laid-down cost including transportation and handling charges, duties, etc. Includes transfers between units of the same company and work done on contract by others. At the manufacturing activity level, this item represents purchased items used in manufacturing operations.

Mature: In even-aged management, those trees or stands that are sufficiently developed to be harvestable (includes overmature trees and stands).

Mechanical wood pulp: The production of fibers and fiber bundles by grinding wood with pulpstones or by mechanical refiners as opposed to chemical methods.

Nonreserved (land): Forest land that by law is available for the harvesting of forest crops.

Overmature: Trees or stands of trees past rotation age. Openings in canopy as a result of mortality are becoming apparent.

Paper: Generally, a matted or felted sheet of vegetable fiber, formed on a screen from a water suspension, used for writing and printing as well as for wrapping and many other purposes. Paper is one of two broad subdivisions of the general term "paper"; the other is paperboard.

Paperboard: A general term describing sheets made of fibrous material 0.012 in. (0.3 mm) or more in thickness. Compared with paper, paperboard is heavier per unit area, thicker, and more rigid. Paperboard is the term used to describe any single variety, or group of varieties, of board materials used in the production of boxes, folding cartons, and solid fiber and corrugated shipping containers.

Particleboard: A generic term for a panel manufactured from lignocellulosic materials - commonly wood - essentially in the form of particles (as distinct from fibers). These materials are bonded together with synthetic resin or other suitable binder, under heat and pressure, by a process wherein the interparticle bonds are created wholly by the added binder.

Plywood: A composite panel or board made up of cross-banded layers or plies, bonded with an adhesive, of veneer only, or veneer in combination with a core of lumber, or of particleboard. Generally the grain of one or more plies is roughly at right angles to that of the other plies. An odd number of plies is almost always used.

Production: The use of raw materials to create producer and consumer goods through various refining, processing, and manufacturing activities.

Productive (land): Forest land that is capable of producing a merchantable stand within a reasonable length of time.

Re-exports: Include only goods previously included in import statistics and which are exported from Canada in the same form as when imported. Minor operations such as sorting or blending are not considered as changing the condition of imported goods.

Reforestation: The process of rebuilding a forest after it has been logged, or after a fire or other natural processes such as disease kill the timber. Reforestation is accomplished through a variety of methods, including the planting of seedlings, the sowing of seed, or natural regeneration from "seed trees". (Before replanting, the ground usually is cleared of most of the debris, and efforts are made to limit the growth of brush and grasses that would compete with the seedlings for water and light.)

Regeneration: The renewal of a forest crop by natural or artificial means. Also, the new crop so obtained. The new crop is generally less than one metre in height.

Reserved (land): Forest land that by law is not available for the harvesting of forest crops.

Roundwood: Sections of tree stems, with or without bark. Includes logs, bolts, posts, pilings and other products still "in the round".

Salaries and wages: These are compiled before deductions for income tax and employee-paid portions of both employee benefits and social insurance. They include payments for regular work, overtime, and paid leave as well as bonuses, commissions paid to regular employees, severance pay, etc. Withdrawals of working owners and partners of unincorporated businesses are excluded.

Sash: A frame structure, normally glazed (e.g., a window), that is hung or fixed in a frame set in an opening.

Seedling: A young tree having a diameter at breast height equal to or less than 1 cm. Includes trees with a height less than 1.30 m.

Selling price index: An index that shows changes in the overall inflation rate or the rate of price change for a particular sector of the economy, with the base year equal to 100.

Semicomical pulp: Pulp obtained by mild treatment of wood chips by any of the chemical pulping processes, which remove only part of the lignin from the wood chips, followed by mechanical treatment to complete the separation of individual cellulose fibers.

Shakes: In construction, a type of shingle usually hand split from a bolt and used for roofing or weatherboarding.

Shingles: Thin, rectangular pieces of wood, sawn along the grain and tapering in thickness, used like tiles for roofing and weatherboarding.

Silviculture: The theory and practice of controlling the establishment, composition, care, and development of stands of trees to achieve the objectives of management.

Softwood(s): Cone-bearing trees with needle - or scale - like leaves belonging to the botanical group Gymnospermae. Also, stands of such trees and the wood produced by them.

Stocked forest land: Land supporting tree growth. In this context, tree growth includes seedlings and saplings.

Subsidies: Direct or indirect payments or other assistance to someone to produce goods or services - in order that the consumer may benefit from lower prices, to protect producers against a decline in the price of their products, to encourage certain types of economic production, or to promote certain types of socially desirable activity.

Sulphate (kraft) pulp: A chemical wood pulp obtained by cooking wood chips at high temperature in a solution of sodium hydroxide and sodium sulfide.

Sulphite pulp: A chemical wood pulp obtained by cooking wood chips in a bisulfite-sulfurous acid solution.

Uneven-aged: Of a forest, stand, or forest type in which intermingling trees differ markedly in age. (The minimum difference in age permitted in an uneven-aged stand is usually 10 to 20 years).

Unproductive: Forest land that is incapable of producing a merchantable stand within a reasonable length of time. Includes muskeg, rock, barrens, marshes, meadows, etc., within the forest land area.

Value added, manufacturing activity: Value of shipments of goods of own manufacture plus net change in inventory of goods in process and finished goods, less cost of materials and supplies used, fuel, and electricity.

Valued added, total activity: Consists of value added, manufacturing activity and value added, nonmanufacturing activity. The latter is calculated by subtracting relevant commodity inputs from nonmanufacturing revenue or output; these commodity inputs are net of the change in inventories of goods purchased for resale. Nonmanufacturing revenues include depreciable fixed assets produced by own work force for own use, revenue from product rentals, etc., but exclude nonoperating revenue such as real property rentals, dividends, and interest.

Value of shipments of goods of own manufacture: Net selling value of goods made by reporting establishment, or for its account, from its own materials. Excludes discounts, returns, allowances, sales tax, excise taxes and duties, returnable containers, and common or contract carriers' charges for outward transportation (but not own carriers' delivery expense). Includes repair and custom revenue, transfer to reporting units of same firm, all exports, and book value of own products shipped the first time on a rental basis. Includes consignment shipments to other countries, but domestic consignment shipments are included in inventory units sold.

Veneer: A thin layer or sheet of wood.

Waferboard: A type of particle board composed of wafers cut from roundwood bolts (mostly poplar) of uniform length and thickness resembling small pieces of veneer. The wafers are bonded together with resin binder, under heat and pressure, by a process similar to that by which particleboard is made.

Working owners and partners: Include only those active in unincorporated businesses.

B. Trade area groupings

Countries are arranged primarily according to geographical location. The country classification employed does not reflect the views or intentions of the Government of Canada on international issues of recognition, sovereignty, or jurisdiction. The trade areas shown in section III (Statistics Canada) and section IX (FAO) include groupings that are defined as follows:

China, People's Republic: China, Mongolia, and Taiwan.

European Economic Community (EEC): Belgium-Luxembourg, Denmark, France, Germany (Federal Republic), Greece, Ireland, Italy, Netherlands, and United Kingdom.

Southeast Asia: Indonesia, Malaysia, Philippines, Singapore, and Thailand.

Middle East - African part: Arab Republic of Egypt, Ethiopia, Libya, Somalia, and Sudan.

Middle East - Asian part: Bahrain, Cyprus, Emirates (United Arab), Iran, Iraq, Israel, Jordan, Kuwait, Lebanon, Oman (Muscat), Qatar, Kingdom of Saudi Arabia, Syria, Turkey, Yemen South, and Yemen North.

Other Western Europe: Austria, Gibraltar, Iceland, Malta, Portugal, Spain, Switzerland.

Other Eastern Europe: Albania, Bulgaria, Czechoslovakia, Germany (East), Hungary, Poland, Romania, and Yugoslavia.

Note: To facilitate the comparison with certain studies published by FAO, Mexico is assigned to Central America instead of North America.



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Selected Forestry Statistics Canada 1988

Information Report E-X-41 Economics Branch, Forestry Canada



Forestry Canada

Forestry Canada is the main focus for forestry matters in the federal government. It provides national leadership through the development, coordination, and implementation of federal policies and programs to enhance long-term economic, social, and environmental benefits from the forest sector for Canadians.

Forestry Canada is a decentralized organization with six regional forestry centres, two national research institutes, and seven regional sub-offices located across Canada. Headquarters is located in the National Capital Region in Hull, Quebec.

In support of its mandate, Forestry Canada carries out the following activities:

- administers forest development agreements negotiated with the provinces
- undertakes and supports research, development, and technology transfer in forest management and utilization
- compiles, analyzes, and disseminates information about national and international forest resources and related matters
- monitors disease and insect pests in Canada's forests
- provides information, analyses, and policy advice on economics, industry, markets, and trade related to the forest sector
- promotes employment, education, and training opportunities in the forest sector
- promotes public awareness of all aspects of the forest sector.

Forestry Canada interacts regularly with provincial and territorial governments, industry, labor, universities, conservationists, and the public through such bodies as the Canadian Council of Forest Ministers, the Forest Sector Advisory Council, the Forestry Research Advisory Council of Canada, the Canadian Forest Inventory Committee, the Canadian Committee on Forest Fire Management, the Canadian Interagency Forest Fire Centre, and regional consultative committees. Forestry Canada is also active in international forestry agencies such as the International Union of Forest Research Organizations and the Food and Agriculture Organization, as well as in technical and trade missions.

FORSTATS

Forestry Canada Forest Resource Data (FORSTATS) Program is responsible for the compilation and interpretation of national data on the forest resource and on changes to it resulting from both natural and human activities. Major components of the FORSTATS Program include statistics on forest inventory, forest depletions, forest growth, regeneration, forest management activities, forest management expenditures, and forest industrial activity, which includes a broad range of economic indicators.

The six regional centres and two national institutes participate with the Headquarters of Forestry Canada in the FORSTATS Program. Provincial forest management agencies, other federal and provincial agencies, and forest industries cooperate by providing data to the program.

SELECTED FORESTRY STATISTICS
CANADA 1988

ECONOMICS AND STATISTICS DIRECTORATE
FORESTRY CANADA
GOVERNMENT OF CANADA

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Want To Know More?

Selected Forestry Statistics Canada 1988 is published by the Economics and Statistics Directorate of Forestry Canada. The material presented is drawn from statistics covering mainly the period 1970-1988 and are the most current data available as of June 1989. However, statistics by their very nature change quickly.

If you need to know more about these statistics, contact the Forestry Canada Office nearest you.

These publications are also available:

Forestry Facts, an easy-to-read "pocket-size" compendium of interesting and useful facts about the forestry sector in Canada. It shows Canada's place in the global context and a comprehensive national overview of Canada's forestry sector. It is packed with capsule statistics organized by industry segment and by province or territory. A snapshot overview is also presented in the brochure entitled, Canada's Forests.

Copies of these publications may be obtained at no charge from the following address:

Corporate and Public Affairs Directorate
 Forestry Canada
 351 St. Joseph Boulevard
 Hull, Quebec
 K1A 1G5

A microfiche edition of this publication may be purchased from:

Micromedia Ltd.
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ABSTRACT

"Selected Forestry Statistics, Canada 1988" contains a series of tables on Canadian forest resources and related management activities, commodity production, shipments and trade, principal and employment statistics by industry sector, as well as selling price indexes, financial statistics, and economic indicators. Some transportation, construction, and international data have been added to complete the picture.

Over 115 tables of forest economic data at the national and provincial levels are included in the report. Data have been extracted from approximately 55 different publications. A number of charts have been included to help the reader visualize the information. In addition, the last section of this publication describes the main forestry and economic terms used in the tables. The conversion factors used to convert from metric to imperial measure and the standard symbols used are available on page V. The reader should note that the columns of figures may not always sum exactly due to rounding.

To increase the precision and facilitate the retrieval of time series data, CANSIM (a computerized data bank of Statistics Canada) was used wherever possible. The tables of commodity data were retrieved from computer tapes produced by Statistics Canada's International Trade Division and the world statistics were retrieved from a computer tape produced by the Food and Agriculture Organization of the United Nations.

Section I "Canadian forest resources and related management activities" and section VI "Selling price indexes and annual average prices" were modified to reflect the new data availability. A listing comparing table numbers used between 1985 and 1988 is available on page VI.

Information given at the beginning of the relevant sections highlights recent changes.

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RÉSUMÉ

Le Recueil de statistiques forestières canadiennes, 1988 porte sur les ressources forestières au Canada et sur les activités connexes d'aménagement, la production et les livraisons de marchandises, le marché des produits, les statistiques principales et les données sur l'emploi par secteur industriel ainsi que sur les indices des prix de vente, les statistiques financières et les indicateurs économiques. Quelques données sur le transport, la construction et la foresterie mondiale complètent ce document.

Plus de 115 tableaux de données forestières et économiques aux niveaux national et provincial sont inclus dans ce recueil. Les données proviennent d'environ 55 publications différentes. Plusieurs figures accompagnent les tableaux afin d'aider le lecteur à visualiser les renseignements. De même, la dernière section de ce recueil décrit brièvement les principaux termes forestiers et économiques utilisés dans les tableaux. Les facteurs nécessaires à la conversion des mesures métriques en mesures impériales et les signes conventionnels employés sont disponibles à la page V. Le lecteur devra remarquer que les totaux peuvent ne pas être exacts, certains chiffres étant arrondis.

Afin d'augmenter la précision des données et en faciliter l'extraction, CANSIM (la banque informatisée de séries chronologiques de Statistique Canada) a été utilisée où cela était possible. Les données sur le marché des produits ont été extraites de bandes magnétiques produites par la Division du commerce international de Statistique Canada, et les données sur la foresterie internationale proviennent d'une bande magnétique produite par l'Organisation des Nations Unies pour l'alimentation et l'agriculture.

La section I "Ressources forestières au Canada et activités connexes d'aménagement" et la section VI "Indices de prix de vente et prix annuels moyens" ont été modifiées afin d'incorporer des données nouvellement disponibles. Une liste comparant les numéros de tableaux utilisés entre 1985 et 1988 est disponible en page VI.

Les renseignements fournis au début des sections soulignent les changements survenus récemment.

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CONVERSION FACTORS

All units of measure in this publication are shown in metric only. The following table shows the factors used in converting from metric measure to imperial.

Description	Metric measure	Conversion factor (multiply by)	Imperial (English) measure
Bolts	m^3	0.415 472	cord
Forest area	ha (0.01 km^2)	2.470 966	acre
Flooring	m^3	0.423 775	MBF (thousand board feet)
Logs	m^3	0.220 750	MBF (thousand board feet)
Logs, pulpwood	m^3	0.353 147	cunits (100 cubic feet)
Lumber	m^3	0.423 775	MBF (thousand board feet)
Newsprint and paper and paperboard	t	1.102 310	short ton
Newsprint and paper and paperboard	t	22.045 855	CWT (hundredweights)
Particleboard	m^3	680.272 108	sq ft 5/8 (square foot 5/8")
Plywood - softwoods	m^3	1 130.071 194	sq ft 3/8 (square foot 3/8")
- hardwoods	m^3	1 695.202 576	sq ft 1/4 (square foot 1/4")
Pulpwood - peeled	m^3	0.371 733	cord
- unpeeled	m^3	0.415 467	cord
- total	m^3	0.415 467	cord
Railway ties	m^3	26.315 789 x 0.423 775	number
Roundwood	m^3	35.314 724	cubic feet
Shingles and shakes	m^2	0.107 639	rfsq (roof squares)
Veneer - softwoods	m^3 to m^2 X 314.925	3 389.830 508	sq ft (square foot)
- hardwoods	m^3 to m^2 X 800.888	8 620.689 655	sq ft (square foot)
Wood chips	t	1.102 310	ton (short tons)
Wood pulp	t	22.045 855	CWTAD (hundredweights air dry)

KEY TO SYMBOLS

The standard symbols used by Statistics Canada have been adopted for use in this manual. They are as follows:

- ... figures not appropriate or not applicable
- .. figures not available
- nil or zero
- amount too small to be expressed
- p preliminary figures
- r revised figures
- x confidential to meet secrecy requirements under the Statistics Act
- e estimated
- n.e.c. not elsewhere classified

COMPARISON OF TABLE NUMBERS USED BETWEEN 1985 AND 1988

1988	1987/1986	1985	1988	1987/1986	1985	1988	1987/1986	1985
I-1	I-1	I-1	III-6	III-6	-	IV-26	IV-26	IV-24
I-2	I-2	I-2	III-7	III-7	-	IV-27	IV-27	IV-25
I-3	I-3	I-3	III-8	III-8	III-8	IV-28	IV-28	IV-26
I-4	-	-	III-9	III-9	III-9	IV-29	IV-29	IV-27
I-5	I-4	I-9	III-10	III-10	III-14	IV-30	IV-30	IV-28
I-6	I-5	I-6	III-11	III-11	III-15			
I-7	-	-	III-12	III-12	-	V-1	V-1	V-1
I-8	-	-	III-13	III-13	-	V-2	V-2	-
I-9	I-6	I-7	III-14	III-14	III-10	V-3	V-3	V-2
I-10	I-7	I-8	III-15	III-15	III-11	V-4	V-4	V-3
I-11	I-8	I-10	III-16	III-16	III-12			
I-12	I-9	I-11	III-17	III-17	III-13	VI-1	VI-1	VI-1
I-13	I-10	-	III-18	III-18	III-16	-	VI-2	VI-2, VI-3
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I-15	I-12	I-4, I-5	III-20	III-20	III-3	VI-3	-	-
			III-21	III-21	III-4	VI-4	-	-
II-1	II-1	II-1				VI-5	VI-3	-
II-2	II-2	II-2	IV-1	IV-1	IV-1			
II-3	II-3	II-11	IV-2	IV-2	IV-2	VII-1	VII-1	VII-1
II-4	II-4	-	IV-3	IV-3	IV-3	VII-2	VII-2	VII-3
II-5	II-5	-	IV-4	IV-4	IV-4	VII-3	VII-3	VII-2
II-6	II-6	II-4	IV-5	IV-5	IV-5	VII-4	VII-4	VII-4
II-7	II-7	II-3	IV-6	IV-6	IV-6	VII-5	VII-5	VII-5
II-8	II-8	II-13	IV-7	IV-7	IV-7	VII-6	VII-6	VII-6
II-9	II-9	II-12	IV-8	IV-8	IV-8	VII-7	VII-7	VII-7
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II-14	II-14	II-14	IV-13	IV-13	IV-11	VIII-1	VIII-1	VIII-1
II-15	II-15	-	IV-14	IV-14	IV-12	VIII-2	VIII-2	VIII-2
II-16	II-16	II-8	IV-15	IV-15	IV-13	VIII-3	VIII-3	VIII-3
II-17	II-17	II-7	IV-16	IV-16	IV-14			
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II-20	II-20	-	IV-19	IV-19	IV-17	IX-3 (A,B)	IX-3 (A,B)	IX-4
II-21	II-21	II-15	IV-20	IV-20	IV-18	IX-4 (A,B)	IX-4 (A,B)	IX-5
II-22	II-22	-	IV-21	IV-21	IV-19	IX-5 (A,B)	IX-5 (A,B)	IX-6
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			IV-23	IV-23	IV-21	IX-7 (A,B)	IX-7 (A,B)	IX-8
III-1	III-1	III-1	IV-24	IV-24	IV-22	IX-8 (A,B)	IX-8 (A,B)	IX-9
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SUMMARY OF SELECTED FORESTRY STATISTICS, CANADA 1988

1. Land area, 1986	921.5 million ha			
Forest land	453.3			
Inventoried forest land	397.9			
Inventoried productive forest land	243.7			
Inventoried stocked productive				
nonreserved forest land	208.2			
Agricultural land	67.8			
				Inventoried stocked productive nonreserved
2. Ownership of forest land, 1986	397.9	243.7	208.2 million ha	
Provincial Crown	70%	80%	81%	
Federal Crown	24%	11%	10%	
Others	6%	9%	9%	
3. Volume of wood	--	23 921	23 154 million m³	
				1984 1985 1986e 1987e
4. Silviculture				
Area harvested	898 069	901 552	930 000	950 000 ha
Area of site preparation	253 099	300 974	410 000	490 000
Area planted	239 953	261 020	333 420	412 990
Area directly seeded	33 743	26 189	26 000	37 000
Area of stand tending	189 065	216 592	270 000	295 000
Area of pest control	1 516 909	1 452 735	--	--
				1985 1986 1987 1988
5. Fire				
No. of fires	9 357	7 087	11 304	10 734
Area burned	757 260	950 123	1 085 629	1 320 273 ha
- total forest land				
- productive				
forest land	132 805	311 270	306 580	.. ha
Fire control	\$153 783	\$108 811	\$115 630	.. thousand
- budgeted costs				
- fighting costs	\$136 140	\$102 308	\$155 321	.. thousand
6. Forest insect and disease conditions, 1977-1981	107.4 million m³			
Average annual mortality volume	60.1			
Growth reduction	22.3			
Wood destruction	25.0			
				1982 1983 1984 1985
7. Forest management expenditures	--	\$1 247.8	--	\$1 677.9 million
Provincial	820.0	783.9	882.9	1 063.0
Federal	150.8	183.6	182.3	209.0
Industry	--	280.3	--	405.9
Silviculture	--	\$ 335.9	--	\$ 476.6 million
Forest protection	--	241.6	--	359.1
Resource access	--	229.6	--	346.4
Research	--	77.2	--	89.4
Other	--	363.5	--	406.1

SUMMARY OF SELECTED FORESTRY STATISTICS, CANADA 1988 (cont'd)

8. Federal-provincial agreements, 1987-1988	\$247 857 thousand
Provincial	117 697
Federal	130 160
Site preparation and regeneration	125 193
Other silviculture treatments	66 878
Forest protection	1 022
Research and forest extension	38 432
Other activities	16 333
	<u>1984</u> <u>1985</u> <u>1986</u>
9. Roundwood production	167.5 168.7 177.1 million m³
Atlantic provinces	9% 8% 9%
Quebec	22% 21% 21%
Ontario	17% 17% 17%
Prairie provinces	8% 8% 9%
British Columbia	44% 46% 44%
Species mix	
Softwoods	92% 92% 91%
Hardwoods	8% 8% 9%
	<u>1985</u> <u>1986</u> <u>1987</u> <u>1988</u>
10. Lumber production	52.1 53.1 62.0 60.6 million m³
Atlantic provinces	3% 4% 4% 4.0%
Quebec	19% 21% 20% 19.0%
Ontario	10% 10% 9% 9.0%
Prairie provinces	6% 7% 7% 7.0%
British Columbia	62% 58% 60% 61.0%
Species mix	
Softwoods	98% 98% 98% 98%
Hardwoods	2% 2% 2% 2%
	<u>1985</u> <u>1986</u> <u>1987</u> <u>1988</u>
11. Wood pulp production	20.4 20.7 23.0 23.4 million t
Quebec	31% 32% 31% 32%
Ontario	20% 20% 19% 19%
British Columbia	30% 29% 31% 30%
All other provinces	19% 19% 19% 19%
	<u>1985</u> <u>1986</u> <u>1987</u> <u>1988</u>
12. Basic paper and paperboard production	14.4 15.2 16.1 16.6 million t
Quebec	43% 43% 42% 43%
Ontario	26% 26% 26% 25%
British Columbia	17% 17% 17% 17%
All other provinces	14% 14% 15% 15%

SUMMARY OF SELECTED FORESTRY STATISTICS, CANADA 1988 (cont'd)

	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>
13. Shipments				
Roundwood	100.5	103.1	..	.. million m ³
Lumber - total	52.5	52.7	..	.. million m ³
- softwoods	51.4	51.5	..	.. million m ³
Wood pulp	8.7	9.5	10.0	9.9 million t
Paper and paperboard - total	14.4	15.3	16.1	16.5 million t
- newsprint	9.0	9.3	9.8	9.9 million t
	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
14. Exports of forest products	\$ 15 734	\$ 16 242	\$ 17 938	\$ 21 241 million
Lumber - total	4 257	4 595	4 980	5 859
- softwoods	4 182	4 523	4 893	5 745
Wood pulp	3 906	3 405	4 072	5 473
Paper and paperboard - total	6 201	6 884	7 455	8 266
- newsprint	4 784	5 412	5 661	6 029
Other forest products	1 370	1 359	1 431	1 643
	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
15. Exports of forest products by region of lading/origin	\$ 15 734	\$ 16 242	\$ 17 938	\$ 21 241 million
Atlantic provinces	11%	10%	11%	11%
Quebec	25%	26%	26%	23%
Ontario	21%	21%	20%	18%
Prairie provinces	4%	4%	4%	4%
British Columbia	39%	39%	39%	44%
	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>
16. Balance of trade, net flow	\$+16 924	\$+15 120	\$+ 8 158	\$+ 8 848 million
Forest products	+13 828	+14 271	+15 619	+18 671
Farm products	+ 3 894	+ 2 476	+ 1 449	+ 1 849
Fish products	+ 1 108	+ 1 355	+ 1 821	+ 2 079
Energy	+10 383	+12 084	+ 7 568	+ 8 333
Metals and minerals	+ 8 245	+ 7 006	+ 7 606	+ 7 475
Chemicals and fertilizers - minerals	+ 1 163	+ 1 282	+ 1 062	+ 1 276
Chemicals and fertilizers - non minerals	- 1 940	- 1 763	- 1 989	- 1 897
Textiles	- 1 432	- 1 570	- 1 709	- 1 805
Machinery	- 3 672	- 4 727	- 5 669	- 6 048
Transportation and automotive products	+ 2 506	+ 958	+ 917	- 1 061
Other products	-17 159	-15 023	-17 117	-18 400
	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>
17. Employment in forest industries	262	267	268	274 thousand
Logging	46	48	46	46
Wood industries	102	103	108	111
Paper and allied industries	114	116	114	117

SUMMARY OF SELECTED FORESTRY STATISTICS, CANADA 1988 (concluded)

	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>
18. Value of shipments of goods	\$ 29 326	\$ 32 809	\$ 34 659	\$ 38 276 million
Logging	4 909	5 364	5 462	5 776
Wood industries	9 406	9 973	11 122	12 433
Paper and allied industries	15 011	17 472	18 075	20 067
	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>
19. Value added, total activity	\$ 12 085	\$ 13 734	\$ 14 399	\$ 16 737 million
Logging	2 152	2 191	2 187	2 297
Wood industries	3 993	4 051	4 688	5 523
Paper and allied industries	5 940	7 492	7 524	8 917
	<u>1985</u>	<u>1986</u>	<u>1987p</u>	
20. Corporate income taxes paid by the forest industries	\$ 300	\$ 398	\$ 666 million	
Federal income taxes	175	221	404	
Provincial income taxes	126	177	262	
	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>
21. Capital and repair expenditures	\$ 4 658	\$ 5 952	\$ 7 501	\$ 9 397 million
Logging industry	528	563	609	648
Wood industries	861	1 240	1 568	1 393
Paper and allied industries	3 269	4 149	5 324	7 356
All Canadian industries	125 011	140 185	155 590	170 967
	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>
22. Forest industries contribution to Canadian gross domestic products	3.5%	3.5%	3.7%	3.6%
Canadian gross domestic product at factor cost	\$430 936	\$452 526	\$491 651	\$535 237 million
	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>
23. Revenue freight loaded on railways - total products	238	237	249	258 million t
Forest products share	15%	15%	15%	14%
	<u>Percent</u>	<u>Rank</u>	<u>Volume/value</u>	
24. Canada's share in world forest economy, 1987				
Softwood growing stock	16%	2nd	17 834 million m ³	
Industrial softwood roundwood production	15%	3rd	174 783 thousand m ³	
Softwood lumber production	16%	3rd	61 011 thousand m ³	
Wood pulp production	16%	2nd	22 645 thousand t	
Newsprint production	32%	1st	9 673 thousand t	
Value of exports of forest products	21%	1st	15 095 million US \$	

SECTION I

CANADIAN FOREST RESOURCES AND RELATED MANAGEMENT ACTIVITIES

Forest Biomass Inventory: The federal ENFOR program, in cooperation with Forestry Canada and provincial forestry agencies, completed the Forest Biomass Inventory to provide a better knowledge of forest biomass quantities, their form and location across Canada.

Forest Fire: The Forest Fire Statistics are reported by the provincial and federal forest fire management agencies. Forestry Canada compiles annual statistics that primarily report the number of fires, their causes and the area of forest land that was burned.

Forest Insects and Diseases: The Forest Insect and Disease Survey (FIDS) is a nationally coordinated program of six regional FIDS units and the FIDS Technology Development Project. Activities are managed by the regional Forestry Canada establishments. The program provides perspectives on insects and diseases, as well as acid rain, to forest managers, quarantine agencies, researchers, educators, and the public. In cooperation with those responsible for improving forest inventory and economic data in Canada, the survey is attempting to provide more quantitative and interpretive data on damage and depletion caused by forest pests.

Forest Inventory: Through the Canadian Forest Inventory Committee, Forestry Canada works in close cooperation with forest management agencies, to make recommendations on forest inventory procedures, and to acquire data for national area and volume summaries on topics such as ownership, status, productivity, site quality, stocking, disturbance, age, forest types and species group.

Forest Management Expenditures: The Forest Management Expenditures Survey is a co-operative effort between the Canadian Pulp and Paper Association and Forestry Canada. It provides information on the level of funding for forest management activity by government and the forest industry in Canada. In this context, forest management includes the whole range of activities from regeneration to stand improvement, protection, research, and support services, such as forest inventory and nursery infrastructure. Resource access are also included.

Forest Tree Production: The Forest Tree Production Survey deals with the operations of federal, provincial, industrial, and private commercial production centres producing bare-root and containerized forest tree seedlings primarily for reforestation of harvested land. It is prepared with the assistance of representatives of provincial forestry agencies, the forest industry, and private sector growers across Canada.

Silviculture: The practice of silviculture in Canada is a provincial responsibility for the majority of publicly owned forest lands in Canada. The federal role, coordinated by Forestry Canada, is supportive through silviculture research, technology transfer, and financial assistance for reforestation, stand tending, and pest control programs under specific federal-provincial agreements. Data for national summaries are collected using a questionnaire completed by provincial forestry personnel.

I - 1. AREA CLASSIFICATION BY CLASS AND PROVINCE, 1986

Area class	Nfld.	P.E.I.	N.S.	N.B.	provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	N.W.T.	Canada
	1 000 000 ha														
A. Forest land															
Inventoried	22.48 ^a	0.29	4.04	6.34	33.15	82.49	46.60	25.12	23.71	37.75	86.58	60.31	27.37	61.44	397.92
Productive	11.18	0.28	3.85	6.09	21.39	54.79	38.29	14.92	15.89	25.44	56.25	51.10	7.56	14.32	243.70
Reserve	0.07	-	0.10	0.03	0.20	0.35	1.47	0.73	1.07	2.45	4.25	2.02	0.07	0.58	8.93
Nonreserved	11.10	0.28	3.75	6.07	21.20	54.39	36.77	14.19	14.82	21.46	50.48	49.09	7.49	13.74	233.15
Stocked	7.63	0.25	3.25	5.68	16.81	49.57	32.69	12.62	13.32	19.08	45.02	45.05	5.30	13.72	208.15
Fully	1.98	0.22	0.01	2.38	4.58	..	26.07	11.34	8.63	17.83	37.81	45.05	2.22	4.26	119.99
Partially	0.36	0.02	0.12	0.51	..	6.60	1.28	2.24	1.14	4.66	-	3.05	8.74	-	23.55
Unquantified	5.29	-	3.24	3.18	11.72	49.57	0.01	-	2.44	0.12	2.57	-	0.03	0.72	64.61
Nonstocked	0.71	0.01	0.16	0.02	0.89	2.53	4.01	1.54	1.48	0.73	3.75	3.95	0.96	0.02	16.09
Unproven stocking	2.76	0.02	0.34	0.37	3.49	2.30	0.08	0.03	0.03	1.65	1.71	0.09	1.23	--	8.90
Unclassified	--	-	-	--	0.05	0.05	-	-	1.53	1.53	-	-	-	-	1.63
Unproductive	11.30	0.02	0.19	0.24	11.75	27.70	8.32	10.20	7.80	11.82	29.82	9.19	19.63	44.35	150.76
Unspecified productivity	-	-	-	-	-	-	-	-	0.02	0.49	0.51	0.02	0.17	2.77	3.47
Not inventoried	-	-	-	-	-	11.50	34.10	9.80	-	9.80	-	-	-	-	55.40
Total	22.48	0.29	4.04	6.34	33.15	94.00	80.70	34.92	23.71	37.75	96.38	60.31	27.37	61.50	453.32
B. Other lands, water and total area															
Nonforest land	14.69	0.28	1.24	0.87	17.08	41.68	8.42	19.92	33.36	26.69	79.97	32.66	20.53	267.86	468.22
Agricultural	0.04	0.27	0.42	0.41	1.14	3.64	5.65	7.74	26.60	20.66	55.00	2.41	-	-	67.83
Other	14.65	0.01	0.82	0.46	15.94	38.04	2.77	12.18	6.76	6.03	24.97	30.25	20.53	267.86	400.39
Total land	37.17	0.57	5.28	7.21	54.23	135.68	89.12	54.84	57.07	64.44	176.35	92.97	47.90	329.36	921.54
Water	3.40	-	0.27	0.14	3.81	18.39	17.74	10.16	8.16	1.68	20.00	1.81	0.45	13.33	75.52
Total area	40.57	0.57	5.55	7.34	54.03	154.07	106.86	65.00	65.23	66.12	196.35	94.78	48.35	342.63	997.06
C. Biomass on nonreserved forest land (1 000 000 t)															
Productive	347	29	315	532	1 223	3 660	3 086	747	638	1 916	3 301	8 798	189	442	20 700
Unproductive	424	1	10	445	621	1 123	364	432	230	1 026	708	11	672	4 606	
Total	770	30	325	542	1 667	4 281	4 209	1 111	1 070	2 146	4 327	9 506	199	1 114	25 306

^a1 hectare = 10 000 m² and 1 km² = 100 hectares.Source: Canada's Forest Inventory 1986, Inventory of Forest Biomass in Canada 1985, Forestry Canada. Census of Agriculture 1986, Statistics Canada.

AREA CLASSIFICATION
Millions of hectares

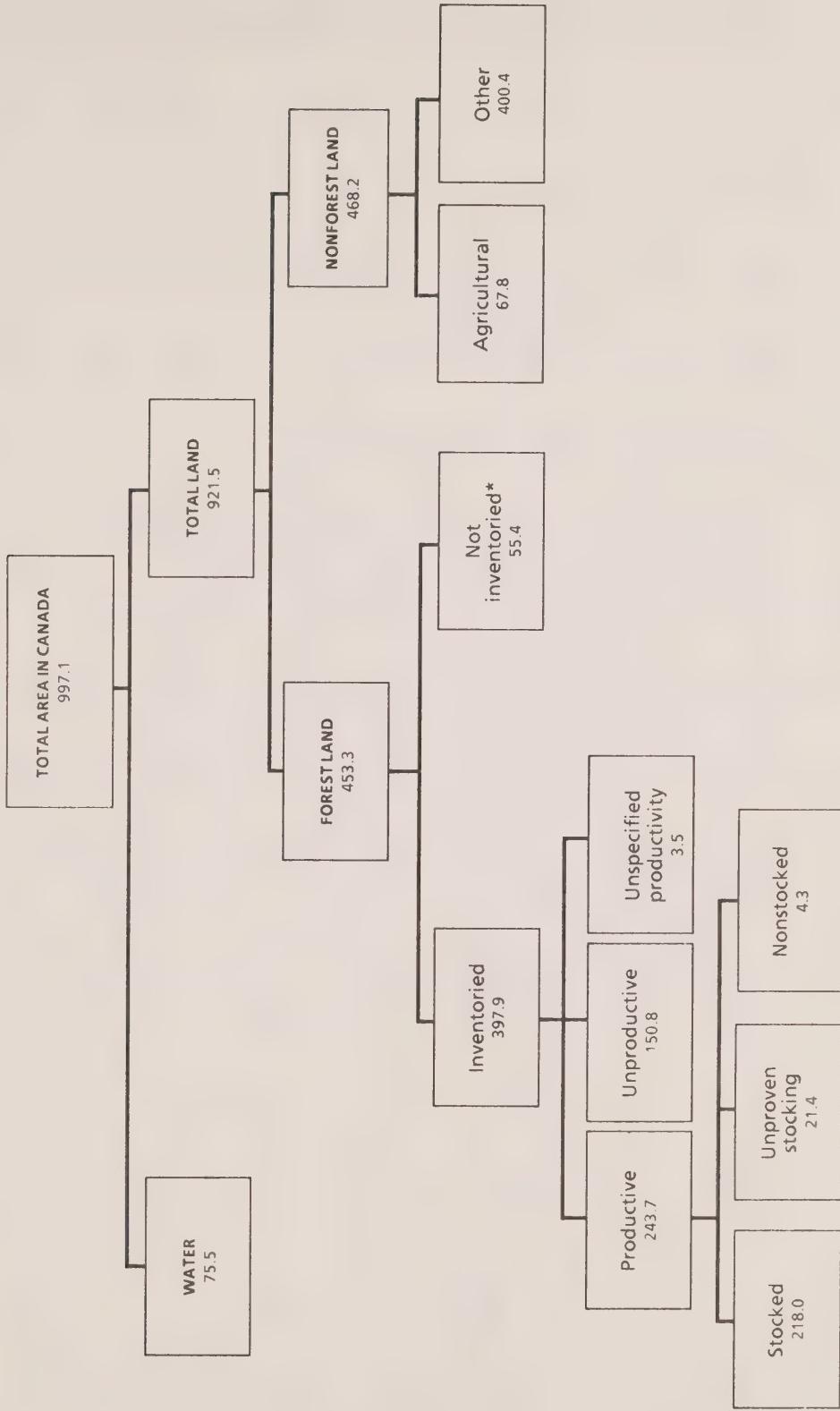


Figure 1.

Area classification in Canada, 1986.

Source: Canada's Forest Inventory 1986. Canadian Forestry Service and estimates (*).

I - 2. INVENTORIED FOREST LAND BY OWNERSHIP, CLASS, AND PROVINCE, 1986

Area class	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	N.W.T.	Canada
	1 000 000 ha														
A. Inventoried forest land															
Federal	0.10	--	0.11	0.16	0.37	0.23	0.32	0.39	0.50	3.53	4.42	0.57	27.37	61.44	94.72
Provincial	21.79	0.02	1.09	3.09	25.99	75.33	39.72	23.45	22.78	32.99	79.22	57.70	-	-	277.92
Private-industrial	0.50	-	0.90	0.59	1.99	0.43	0.89	-	-	-	-	-	-	-	3.31
Private-nonindustrial	0.08	0.27	1.93	1.00	3.29	3.80	5.63	1.17	0.24	-	1.40	2.02	-	-	16.14
Private-unspecified	0.01	-	-	1.50	1.51	2.70	-	0.19	0.19	1.12	1.30	0.02	-	-	5.53
Municipal	-	-	-	-	-	-	-	0.12	-	0.01	0.13	-	-	-	0.13
Unclassified	--	-	-	-	-	-	-	0.05	-	0.10	0.10	-	-	-	0.15
Total	22.48	0.30	4.04	6.34	33.15	82.49	46.60	25.12	23.71	37.75	86.57	60.31	27.37	61.44	397.92
B. Inventoried productive forest land															
Federal	0.06	--	0.11	0.15	0.33	0.22	0.25	0.34	0.46	1.75	2.55	0.47	7.56	14.32	25.71
Provincial	10.71	0.02	1.02	2.96	14.71	47.97	32.34	13.49	15.03	22.66	51.18	48.65	-	-	194.85
Private-industrial	0.35	-	0.84	0.57	1.76	0.42	0.79	-	-	-	-	-	-	-	2.97
Private-nonindustrial	0.05	0.26	1.87	0.97	3.15	3.64	4.87	0.99	0.20	-	1.19	1.96	-	-	14.80
Private-unspecified	--	-	-	1.44	1.45	2.55	-	-	0.19	0.93	1.12	0.02	-	-	5.14
Municipal	-	-	-	-	-	-	-	0.10	-	0.01	0.11	-	-	-	0.11
Unclassified	--	-	-	-	-	-	-	0.05	-	0.09	0.09	-	-	-	0.14
Total	11.18	0.28	3.85	6.09	21.39	54.79	38.29	14.92	15.89	25.44	56.25	51.10	7.56	14.32	243.70
C. Inventoried productive nonreserved forest land															
Federal	--	0.02	0.12	0.15	0.08	0.25	0.10	0.14	0.03	0.27	0.27	-	1.80	2.81	
Provincial	10.70	0.02	1.00	2.96	14.70	47.70	30.87	13.01	14.29	20.49	47.79	46.84	7.49	11.94	207.33
Private-industrial	0.35	--	0.84	0.57	1.76	0.42	0.79	-	-	-	-	-	-	-	2.97
Private-nonindustrial	0.05	0.26	1.87	0.97	3.14	3.64	4.87	0.99	0.20	-	1.19	1.96	-	-	14.80
Private-unspecified	0.01	-	-	1.44	1.45	2.55	-	-	0.19	0.93	1.12	0.02	-	-	5.14
Municipal	-	-	-	-	-	-	-	0.10	-	0.01	0.11	-	-	-	0.11
Total	11.10	0.28	3.75	6.07	21.20	54.39	36.77	14.19	14.82	21.46	50.48	49.09	7.49	13.74	233.15
D. Inventoried, stocked, productive, nonreserved forest land															
Federal	--	0.02	0.11	0.13	0.08	0.24	0.09	0.13	0.03	0.25	0.24	0.24	5.30	13.72	19.97
Provincial	7.26	0.02	0.81	2.80	10.90	43.61	27.76	11.47	12.79	18.11	42.38	43.06	-	-	167.72
Private-industrial	0.32	-	0.79	0.52	1.62	0.40	0.64	-	-	-	-	-	-	-	2.66
Private-nonindustrial	0.05	0.23	1.63	0.89	2.80	3.20	4.05	0.97	0.20	-	1.17	1.72	-	-	12.94
Private-unspecified	--	-	-	1.36	1.36	2.28	-	-	0.19	0.93	1.12	0.02	-	-	4.78
Municipal	-	-	-	-	-	-	-	0.09	-	0.01	0.10	-	-	-	0.10
Total	7.63	0.25	3.25	5.68	16.81	49.57	32.69	12.62	13.32	19.08	45.02	45.05	5.30	13.72	208.15

Source: Canadian Forest Inventory 1986. Forestry Canada.

I - 3. GROSS MERCHANTABLE WOOD ON INVENTORIED, STOCKED, PRODUCTIVE, NONRESERVED FOREST LAND BY PROVINCE, 1986

Area class	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	N.W.T.	Canada
A. Maturity class (\$ 1 000 000 ha)															
Regeneration	-	-	0.09	0.16	0.26	5.10	1.18	1.21	1.07	0.30	2.58	1.69	0.01	0.72	11.52
Immature	0.61	-	2.15	2.66	5.42	9.20	12.33	8.96	5.37	8.93	23.26	15.00	3.96	8.59	77.76
Mature	1.15	-	0.77	2.67	4.59	22.67	11.56	2.17	1.36	6.98	10.51	28.28	1.33	4.39	83.33
Overmature	0.99	-	0.02	0.19	1.19	-	7.61	0.29	1.08	2.88	4.25	0.08	-	0.02	13.14
Uneven-aged	-	0.25	0.21	0.01	0.22	0.15	0.01	-	-	-	-	-	-	-	0.37
Unclassified	4.89	0.25	-	-	5.14	12.45	0.01	-	4.44	-	4.44	-	-	-	22.04
Total	7.63	0.25	3.25	5.68	16.81	49.57	32.69	12.62	13.32	19.08	45.02	45.05	5.30	13.72	208.15
B. Maturity class (\$ 1 000 000 m³)															
Regeneration	-	-	1	-	1	119	1	-	9	1	10	9	-	-	140
Immature	-	-	147	210	357	734	930	390	443	716	1 549	1 604	308	144	5 625
Mature	123	-	79	344	546	2 167	1 465	465	165	1 330	1 742	7 226	172	301	13 619
Overmature	122	-	3	17	142	-	1 132	43	163	608	814	28	-	1	2 117
Uneven-aged	-	-	15	1	15	18	1	-	-	-	-	-	-	-	34
Unclassified	280	26	-	-	306	1 187	-	-	125	--	125	-	--	-	1 618
Total	525	26	244	571	1 366	4 225	3 529	680	905	2 656	4 240	8 867	480	446	23 154
C. Species group (\$ 1 000 000 m³)															
Softwoods	487	16	150	362	1 015	3 020	2 205	444	536	1 684	2 664	8 180	436	315	17 834
Spruce	107	10	85	168	370	1 774	1 35	264	205	920	1 389	1 958	320	-	7 146
Pine	--	--	12	23	36	246	578	158	130	695	984	2 162	82	-	4 087
Fir	117	5	43	120	285	884	188	10	13	47	70	1 400	-	-	2 827
Hemlock	-	--	8	7	15	28	17	-	-	-	1 217	-	-	-	1 278
Cedar and other conifers	-	1	--	39	40	85	72	1	-	1	688	-	-	-	885
Douglas-fir	-	-	-	-	-	-	-	-	2	2	694	-	-	-	696
Larch	3	1	2	4	10	4	15	10	4	3	17	60	-	-	105
Unspecified	260	-	-	-	260	-	-	-	184	16	200	-	34	315	808
Hardwoods	38	10	94	209	351	1 204	1 325	236	370	972	1 578	688	44	131	5 320
Aspen/poplar	3	2	7	42	53	295	685	201	289	822	1 311	599	36	-	2 979
Birch	26	2	23	57	108	529	361	20	22	33	75	50	3	-	1 126
Maple	--	5	54	87	147	297	200	-	1	-	1	7	-	-	652
Unspecified	10	1	10	24	44	84	79	15	58	117	191	32	6	131	566
Total	525	26	244	571	1 366	4 225	3 529	680	905	2 656	4 241	8 867	480	446	23 154

Source : Canadian Forest Inventory 1986. Forestry Canada.

I - 4. GROSS MERCHANTABLE WOOD ON INVENTORIED, MATURE AND OVERMATURE,
STOCKED, PRODUCTIVE, NONRESERVED FOREST LAND BY PROVINCE, 1986

6

	Nfld.	P.E.I. ^a	N.S.	N.B.	Atlantic provinces	Que. ^a	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Canada ^b
A. Species group on mature/ overmature (1 000 000 ha)													
Softwoods	2.00	..	0.33	1.43	3.76	..	12.10	1.40	1.49	5.92	8.87	26.41	51.11
Spruce	0.93	..	0.45	1.38	..	8.39	0.76	0.82	3.65	5.23	6.26	21.25	
Pine	-	..	0.03	0.03	..	2.36	0.65	0.66	2.22	3.53	8.87	14.78	
Fir	1.07	..	0.19	1.26	..	0.91	0.03	..	0.02	0.05	0.05	4.45	6.67
Hemlock	-	..	..	..	..	0.07	..	..	..	..	..	3.14	3.21
Douglas-fir	-	..	..	..	..	..	..	..	..	..	..	1.54	1.55
Larch	-	..	0.01	0.01	..	0.05	0.01	0.01	0.01	0.01	0.01	0.08	0.17
Unspecified	-	..	0.33	0.75	1.08	..	0.33	..	..	..	..	..	3.48
Hardwoods	0.13	..	0.20	0.72	1.05	..	7.06	1.01	0.95	3.94	5.90	1.95	15.96
Poplar	-	..	-	-	-	..	3.47	0.76	0.93	1.05	2.74	1.84	8.05
Birch	0.13	..	..	..	0.13	..	2.18	0.01	0.02	0.01	0.04	0.09	2.43
Maple	-	..	..	-	-	..	1.10	0.02	-	-	0.02	--	1.12
Unspecified	-	..	0.20	0.72	0.92	..	0.31	0.23	-	2.89	3.12	0.01	4.36
Unclassified	-	..	0.27	0.71	0.98	22.67	--	--	--	--	--	--	29.39
B. Species group on mature/ overmature (1 000 000 m³)													
Softwoods	230.20	..	37.64	202.09	469.93	..	1 555.04	164.52	180.75	1 217.21	1 562.48	6 819.33	10 406.76
Spruce	99.41	..	65.12	164.53	..	1 042.12	87.98	98.86	666.13	850.97	1 560.59	3 618.22	
Pine	0.01	..	5.01	5.02	..	377.57	72.23	80.76	546.11	699.10	1 858.04	2 939.73	
Fir	130.69	..	33.16	163.85	..	89.96	3.62	0.53	3.91	8.06	1 308.76	3 300.63	
Hemlock	-	..	0.41	0.41	..	9.68	-	-	-	-	1 304.18	1 314.26	
Douglas-fir	-	..	-	-	..	-	-	-	-	1.69	1.69	390.39	392.07
Larch	0.09	..	1.03	1.12	..	4.50	0.60	0.60	1.37	2.57	18.19	26.37	
Unspecified	-	..	37.64	97.36	135.00	..	31.21	0.09	-	-	0.09	649.18	815.48
Hardwoods	15.03	..	17.95	87.53	120.51	..	1 042.42	125.06	147.84	720.48	993.38	434.88	2 591.20
Aspen/poplar	0.37	..	..	0.37	..	673.41	95.86	145.76	183.29	424.91	415.09	1 513.79	
Birch	14.66	..	..	14.66	..	188.05	0.58	2.06	0.77	3.41	14.33	220.45	
Maple	-	..	17.95	87.53	105.48	..	148.54	2.03	0.02	-	2.05	1.73	152.32
Unspecified	-	..	26.16	71.07	97.23	2 166.50	0.09	-	0.02	0.23	0.25	0.07	2 738.48

a No data.

b Includes unclassified species in Yukon (1.33 million ha, 172.39 million m³) and Northwest Territories (4.01 million ha and 301.96 million m³).

Source: Canada's Forest Inventory 1986. Forestry Canada.

I - 5. STATISTICS ON PLANTING STOCK FOR Reforestation PURPOSES BY SOURCE AND PROVINCE, 1984-1986

Province or Territory	Number of production centers	Seedling production			Targeted seedling production by source 1986 (%)		
		1984		1985	Area available for production ^a	Trees shipped 1984	Planned production 1985
		Federal	Provincial	Industry	Private		
A. Containerized seedling production							
Nfld.	3	3	3	3	2 04	2 439	3 165
P.E.I.	1	1	1	3 717	1 214	1 675	2 000
N.S.	8	8	8	27 407	12 073	23 900	29 754
N.B.	9	10	53	316	39 802	54 391	54 411
Que.	15	8	126	870	21 500	35 000	99 000
Ont.	32	36	77	979	81 458	78 731	88 986
Man.	2	2	6	582	3 722	7 688	10 360
Sask.	-	1	1	1 134	-	765	1 530
Alta.	5	5	27	115	15 139	23 740	23 750
B.C.	26	37	240	395	74 702	155 338	241 598
Total	101	111	567	719	252 049	384 393	554 554
							-
B. Bare-root seedling production							
Nfld.	1	1	40	3 242	7 000	9 000	-
P.E.I.	1	1	20	315	390	400	-
N.S.	2	2	99	4 600	4 400	6 500	-
N.B.	2	2	126	14 300	13 000	13 000	-
Que.	8	8	387	47 400	66 500	61 000	-
Ont.	11	11	761	59 938	71 151	68 875	-
Man.	1	1	38	2 700	4 500	4 500	-
Sask.	4	4	151	10 647	11 365	18 159	-
Alta.	2	2	100	9 600	14 200	12 300	-
B.C.	11	10	853	53 329	53 696	51 450	-
Total	43	42	2 575	206 071	246 202	245 184	-
							88.1
							8.6
							44.8

^aContainerized seedling: square metres; bare-root seedling: hectares.

Source: Smyth, J.H.; Brownright, A.J. *Forest Tree Production Centres in Canada - 1984*. Forestry Canada.

I - 6. SILVICULTURE STATISTICS BY PROVINCE, 1975-1985

I - 6. SILVICULTURE STATISTICS BY PROVINCE, 1975-1985 (CONTINUED)

Activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C. ^a	Yukon	N.W.T.	Canada
B. Area of site preparation (continued)														
Scarification (ha)	1975	-	-	595	9 800	3 008	45 231	3 965	2 973	17 537	13 194	-	-	96 303
	1976	-	48	634	10 500	2 570	39 157	4 038	1 969	14 606	15 490	-	-	89 012
	1977	28	-	850	13 500	7 555	37 638	4 080	2 643	16 976	18 227	-	-	101 497
	1978	320	16	2 608	15 000	8 478e	32 290	4 342	4 169	20 396	17 948	-	-	105 567
	1979	1 508	566	2 255	16 802f	14 217	43 340	3 823	5 365	15 143	19 827	-	-	122 846
	1980	235	566	1 952	16 591f	6 993	50 624	3 836	7 633	12 802	20 529	-	-	121 761
	1981	1 097	280	1 879	20 374g	6 904	51 683	4 161	8 634	13 568	20 758	-	-	129 338
	1982	1 782	412	1 118	12 231	11 792	60 527	3 627	11 141	16 611	18 892	-	-	138 133
	1983	1 840	485	1 038	10 570	16 088	66 476	3 951	6 901	19 607	25 251	-	-	152 207
	1984	2 855	1 228	1 297	8 862	27 036	73 893	3 838	6 831	18 082	28 276	-	-	172 198
	1985	1 880	1 110	-	9 293	43 201	83 283	4 821	7 481	19 404	15 412	-	-	185 885
Total site preparation (ha) ^h	1975	-	-	595	10 100	3 008	45 231	3 965	3 918	17 537	13 809	-	-	158 163
	1976	-	48	634	11 000	2 570	39 157	4 038	3 089	14 606	17 249	-	-	152 391
	1977	28	-	850	13 900	7 555	47 961	4 080	4 665	16 976	48 169	-	-	144 184
	1978	320	16	2 608	18 500	9 539	48 706	4 443	5 973	20 396	51 408	-	-	159 409
	1979	1 508	566	2 255	14 769	53 390	4 356	6 815	15 143	67 295	224	-	-	184 821
	1980	379	566	8 010	24 926	13 903	56 620	4 055	7 633	13 019	65 194	-	-	194 305
	1981	1 317	289	8 845	27 384	16 152	57 157	4 161	8 634	13 568	54 893	-	-	192 400
	1982	1 856	511	7 410	18 601	14 800	70 984	3 627	11 141	16 611	62 631	-	-	208 172
	1983	1 848	579	6 263	11 132	21 940	78 142	4 338	6 901	19 607	73 439	-	-	224 189
	1984	3 769	1 485	7 984	8 862	29 902	86 932	4 839	6 831	18 082	84 413	-	-	253 099
	1985	3 446	1 371	12 025	9 293	50 906	98 953	6 674	7 481	19 404	91 421	-	-	300 974
C. Area planted														
Bare-root area (ha)	1975	-	40e	980	5 300	15 905	27 284	573	3 622	1 818	50 440	-	-	105 962
	1976	-	40e	777	5 450	15 271	24 165	743	3 363	761	44 171	-	-	94 741
	1977	-	40e	1 359	5 200	16 348	24 101	738	4 215	180	32 012	-	-	84 193
	1978	-	54	1 907	8 100	14 026	25 189	917	5 359	110	34 740	-	-	90 402
	1979	-	44	888	8 500	14 039	26 693	470	6 348	-	40 534	-	-	97 516
	1980	200	176	1 245	8 943	13 828	27 146	567	5 006	523	42 265	-	-	99 899
	1981	1 074	25	2 567	7 071	14 733	31 473	3 445	3 278	4 152	31 577	-	-	99 395
	1982	-	73	1 331	7 922	15 696	30 278	1 817	5 198	4 857	34 217	-	-	101 389
	1983	919	162	1 605	1 838	21 345	30 023	1 424	5 597	4 899	47 948	-	-	115 760
	1984	1 514	117	1 285	2 313	20 036	25 752	863	4 858	2 734	44 685	-	-	104 157
	1985	1 273	179	1 786	1 573	26 958	33 391	1 398	5 276	2 701	43 640	-	-	118 175

I - 6. SILVICULTURE STATISTICS BY PROVINCE, 1975-1985 (CONTINUED)

Activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C. ^a	Yukon	N.W.T.	Canada
C. Area planted (continued)														
Bare-root seedlings (000)	1975	-	100e	2 495	13 096	36 582	45 984e	1 335	5 242	2 273	58 257	-	-	165 364
	1976	-	100e	1 925	13 467	35 124	41 927e	2 068	4 530	952	48 334	-	-	148 427
	1977	-	100e	3 125	12 849	37 601	43 343e	1 406	5 747	234	34 317	-	-	138 722
	1978	-	135	3 045	20 015	32 259	52 928	1 217	8 099	129	38 122	-	-	155 949
	1979	-	110	1 900	21 004	32 389	61 453	1 293	10 272	-	48 040	-	-	176 461
	1980	500	381	2 570	19 835	34 573	65 360	1 164	9 480	799	49 737	-	-	184 399
	1981	2 243	63	6 915	16 376	35 221	69 448	4 000	6 165	6 084	37 173	-	-	183 688
	1982	-	177	3 673	11 250	37 579	63 660	3 772	10 181	6 220	40 261	-	-	176 773
	1983	2 101	452	4 682	3 414	53 354	65 754	3 555	10 802	6 474	54 860	-	-	205 448
	1984	4 009	315	3 521	4 910	50 081	49 661	2 236	9 207	3 217	51 794	-	-	178 951
	1985	2 859	407	4 748	3 257	67 394	67 232	3 402	9 785	3 732	48 072	-	-	210 888
Container area (ha)														
	1975	-	80e	445	1 375	-	2 766	543	41	4 198	12 638	-	-	22 086
	1976	-	80e	453	2 600	58e	2 005	303	129	4 038	15 990	-	-	25 656
	1977	-	80e	972	4 407	196e	2 406	94	286	5 304	23 729	-	-	37 474
	1978	-	40	1 383	2 600	53e	2 360	303	342	7 035	23 529	-	-	37 645
	1979	184	40	1 788	7 200	23e	4 137	100	643	8 264	23 143	-	-	45 522
	1980	247	2 496	13 095	13	4 934	195	784	8 727	21 410	-	-	-	52 061
	1981	779	465	2 518	15 050	1 142	6 634	689	735	7 197	35 028	-	-	70 237
	1982	802	402	2 918	14 536	1 381	7 564	386	845	6 644	48 578	-	-	84 056
	1983	917	372	2 415	18 147	4 564	18 148	396	773	7 425	46 778	-	-	99 935
	1984	913	456	3 651	17 093	9 188	27 242	845	-	11 061	55 347	-	-	125 796
	1985	1 489	715	4 798	17 880	12 169	38 693	2 771	-	6 528	57 802	-	-	142 845
Container seedlings (000)														
	1975	-	200e	1 100	3 398	-	4 791e	1 266	90	5 247	14 564	-	-	30 656
	1976	-	200e	1 120	6 425	132	3 589e	842	214	5 045	17 498	-	-	35 065
	1977	-	200e	2 401	10 890	450	4 381e	180	623	6 633	25 438	-	-	51 196
	1978	-	100	3 416	6 425	122	5 487	402	641	8 218	25 211	-	-	50 022
	1979	460	100	4 416	17 791	54	7 945	275	1 320	10 329	26 932	-	-	69 622
	1980	588	5 514	30 951	29	10 497	400	1 235	10 528	25 235	-	-	85 375	
	1981	1 625	1 150	6 906	36 061	2 456	13 951	800	1 359	8 731	41 127	-	-	114 166
	1982	1 803	996	7 541	28 842	2 881	16 465	800	1 571	7 913	57 442	-	-	126 254
	1983	2 001	1 042	7 037	39 276	10 118	39 211	1 038	340	10 114	53 518	-	-	163 695
	1984	2 194	1 231	9 859	36 363	22 062	76 656	2 274	-	13 058	64 161	-	-	227 858
	1985	3 075	1 625	12 759	37 589	29 147	79 530	6 022	-	8 233	63 672	-	-	241 652

I - 6. SILVICULTURE STATISTICS BY PROVINCE, 1975-1985 (CONTINUED)

Activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alt.	B.C.	a	Yukon	N.W.T.	Canada
C. Area planted (continued)															
Total area planted (ha)	1975	-	120e	1 230	6 675	15 905	30 050	1 116	3 663	6 016	63 078	-	-	-	128 068
1976	-	120e	8 050	15 329	26 170	1 046	3 492	4 799	60 161	-	-	-	-	-	120 397
1977	-	120e	9 607	16 544	26 507	832	4 501	5 484	55 741	-	-	-	-	-	121 667
1978	-	94	3 290	10 700	14 079	27 549	1 220	5 701	7 145	58 269	-	-	-	-	128 047
1979	184	84	2 676	15 700	14 062	30 830	570	6 991	8 264	63 677	-	-	-	-	143 038
1980	360	423	3 741	22 038	13 841	32 080	762	5 790	9 250j	63 675	-	-	-	-	151 960
1981	1 853	490	5 085	22 121	15 875	38 107	4 134	4 013	11 349j	66 605	-	-	-	-	169 632
1982	802	475	4 249	22 458	17 077	37 842	2 203	6 043	11 501j	82 795	-	-	-	-	185 445
1983	1 836	534	4 020	19 985	25 909	48 171	1 820	6 370	12 324j	94 726	-	-	-	-	215 695
1984	2 427	573	4 936	19 406	29 224	62 994	1 708	4 858	13 795j	100 032	-	-	-	-	239 953
1985	2 762	894	6 584	19 453	39 127	72 084	4 169	5 276	9 229j	101 442	-	-	-	-	261 020
Total seedlings planted (000s)	1975	-	3 595	16 494	36 582	50 775	2 601	5 332	7 520	72 821	-	-	-	-	196 020
1976	-	3 045	19 892	35 256	45 516	2 910	4 744	5 997	65 832	-	-	-	-	-	183 492
1977	-	5 526	23 739	38 051	47 724	1 586	6 370	6 867	59 755	-	-	-	-	-	189 918
1978	-	6 461	26 400	32 381	58 415	1 619	8 740	8 347	63 333	-	-	-	-	-	205 931
1979	460	210	7 326	38 795	32 343	69 398	1 568	11 592	10 329	74 972	-	-	-	-	246 993
1980	898	969	8 081	34 786	34 602	75 857	1 564	10 715	11 327	74 972	-	-	-	-	269 771
1981	3 868	1 213	13 821	52 437	37 677	83 399	4 800	7 524	14 815	78 300	-	-	-	-	297 854
1982	1 803	1 173	11 157	40 092	40 460	80 125	4 572	11 752	14 133	97 703	-	-	-	-	302 970
1983	4 102	1 494	11 719	42 690	63 472	104 965	4 593	11 142	16 588	108 378	-	-	-	-	369 143
1984	6 203	1 546	13 380	41 273	72 143	126 317	4 510	9 207	16 275	115 955	-	-	-	-	406 809
1985	5 934	2 032	17 507	40 846	96 541	146 762	9 424	9 785	11 965	111 744	-	-	-	-	452 540
D. Area of direct seeding (ha)															
1975	-	-	-	125	5 693	23 510	223	-	4 747	-	-	-	-	-	34 298
1976	-	-	10	550	1 810	27 039	199	-	6 325	-	-	-	-	-	35 933
1977	-	-	1	393	3 373	28 791	61	-	10 110	-	-	-	-	-	42 729
1978	-	-	127	-	5 703	23 582	126	-	7 505	-	-	-	-	-	37 043
1979	-	-	77	-	6 744	24 251	2 774	-	5 543	-	-	-	-	-	39 389
1980	36	-	-	-	9 949	47 294	1 093	-	6 635k	-	-	-	-	-	65 007
1981	54	-	-	172	9 525	27 869	272	-	4 701k	-	-	-	-	-	42 593
1982	230	-	55	9	14 506	29 991	118	-	5 370k	-	-	-	-	-	50 279
1983	-	-	-	6 116	21 246	697	-	8 974k	315	-	-	-	-	-	37 348
1984	-	-	-	8 649	16 229	145	-	8 436k	284	-	-	-	-	-	33 743
1985	-	-	-	1 002	18 894	-	-	6 293k	-	-	-	-	-	-	26 189

I - 6. SILVICULTURE STATISTICS BY PROVINCE, 1975-1985 (CONCLUDED)

Activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C. ^a	Yukon	N.W.T.	Canada
E. Area of stand tending (ha)	1975	213	-	1 334	-	-	33 277	562	12	143 ⁿ	1 841	-	-	37 382
	1976	196	-	1 625	-	-	38 324	377	10	583 ⁿ	9 733	-	-	50 848
	1977	1 928	-	2 146	1 032 ^j	-	52 850	558	-	123 ⁿ	23 435	-	-	82 072
	1978	1 976	-	2 504	1 807 ^j	-	48 269	624	-	245 ⁿ	26 586	-	-	82 011
	1979	2 321	20	3 556	3 436 ^j	-	39 228	220	142	272 ⁿ	33 279	-	-	82 474
	1980	3 006	49	7 451	18 924 ^j	10 829	51 036	263	121	270 ⁿ	30 877	-	-	122 826
	1981	4 248	353	9 264	17 618 ^j	12 686	41 446	-	404	701 ⁿ	37 677	-	-	124 395
	1982	4 750	1	1 112	5 923	18 263 ^j	6 446 ^m	54 506	-	624 ⁿ	26 031	-	-	117 915
	1983	5 559	814	7 133	30 488 ^j	15 960	47 560	1 559	791	245 ⁿ	15 739	-	-	125 848
	1984	6 205	707	13 115	40 040 ^j	21 220	69 994	4 592	1 817	510 ⁿ	30 865	-	-	189 065
	1985	6 795	856	16 526	45 700 ^j	19 800	92 838	2 944	712	1 005 ⁿ	29 416	-	-	216 592
F. Area of pest control (ha)	1975	-	-	-	2 695	000	2 800	000	14 167	-	-	1 785	-	5 510 952
	1976	-	-	-	3 881	000	2 900	000	41 060	-	-	2 667	-	6 824 727
	1977	76 910	-	556	1 682	000	1 400	000	10 522	-	-	2 384	-	3 172 372
	1978	376 600	-	25 670	1 554	000	1 200	000	4 085	-	-	3 163 263	-	3 163 263
	1979	-	-	30 752	1 598	000	600	000	22 072	-	-	2 287	-	2 253 111
	1980	-	-	25 670	1 900	000	188 511	36 422	-	-	1 564	-	-	2 152 167
	1981	-	-	31 195	1 693	000	705 164	2 477	-	-	3 830	-	-	2 435 666
	1982	-	-	19 153	1 867	570	1 298 495	28 685	-	-	-	-	-	3 213 903
	1983	-	-	20 726	1 245	000	1 253 605	43 770	-	12	-	2 374	-	2 565 487
	1984	-	-	20 537	732	000	712 282	47 280	428	434	-	3 948	-	1 516 909
	1985	145 086	-	49 719	545	000	698 343	10 339	760	-	3 488	-	-	1 452 735

^a Provincial Crown land only.^b From 1980-1981 to 1985-1986, an additional 39 631 ha were cleared of aspen under a special stand conversion program and were not harvested in the commercial sense.^c Other harvesting in uneven-aged stands. Figures do not include harvesting methods, termed as regeneration conducted in largely hardwood forests. Strip cutting, seed tree cutting, shelterwood cutting and clear-cutting covered an area of 139 956 ha from 1980-1981 to 1985-1986. d Includes cutovers on private land.^e Includes shelterwood harvesting.^f Includes 1 288 ha of burning and scarification.^g Includes 870 ha of burning and scarification and 108 ha of chemical treatment and scarification.^h Includes other site preparation.ⁱ From 1979-1980 to 1985-1986, an additional 40 359 ha were scarified under a special stand conversion program.^j From 1980-1981 to 1985-1986, an additional 41 258 ha were planted under a special stand conversion program.^k From 1980-1981 to 1985-1986, an additional 1 766 ha were directly seeded under a special stand conversion program.^l Figures for 1977-1978 to 1979-1980 differ from those in Grace and Golec (1982) because they were received after the publication date. ^m Precommercial thinning only. Data on other treatments are not available.ⁿ Thinning only.Source: Kuhnke, D.H. Silviculture statistics for Canada: an 11-year summary, Forestry Canada.

SILVICULTURE

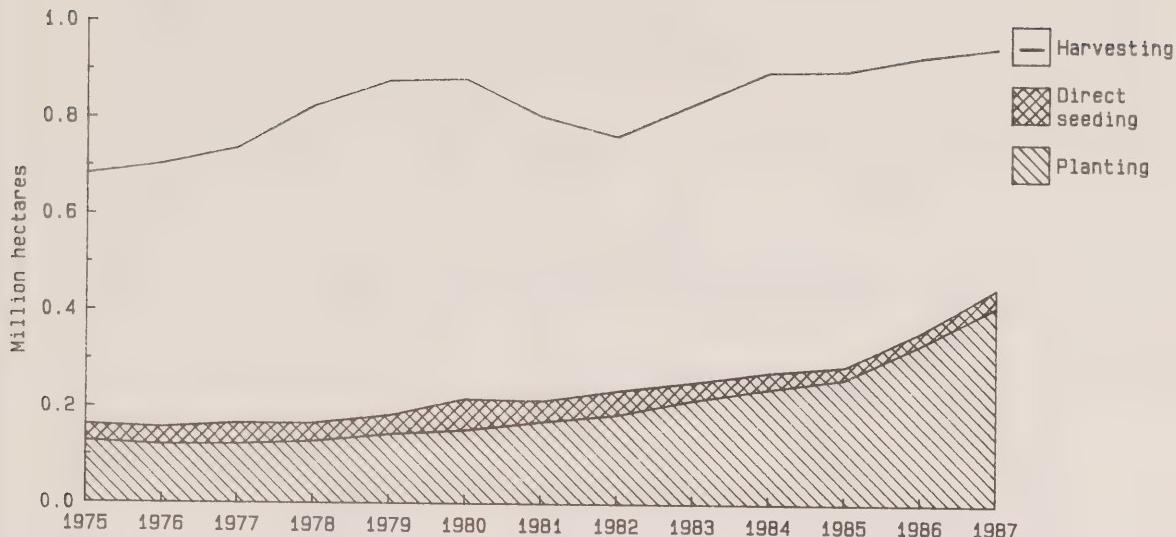


Figure 2. Harvesting compared to planting and direct seeding in Canada, 1975-1987.

Source: Silviculture statistics for Canada: an 11-year summary, Forestry Canada and estimated figures for 1986-1987, Forest Development Branch.

SILVICULTURE Thousand hectares

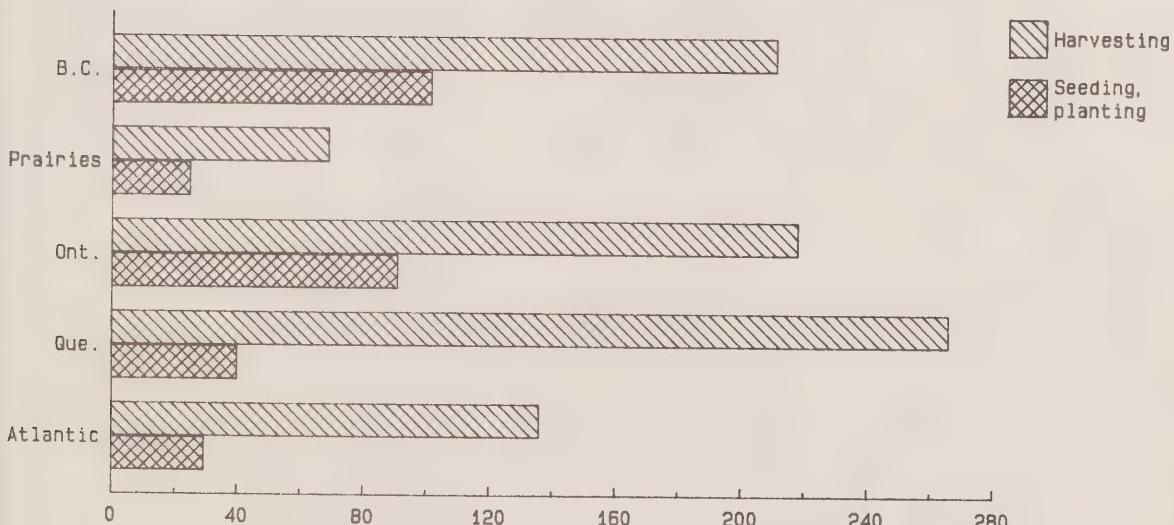


Figure 3. Harvesting compared to artificial regeneration by region, 1985.

Source: Silviculture Statistics for Canada: an 11-year summary, Forestry Canada.

I - 7. SILVICULTURE TREATMENTS (AREA) PERFORMED UNDER FOREST ECONOMIC
AND REGIONAL DEVELOPMENT AGREEMENTS, 1984-1986^a

	Year	Nfld.	P.E.I.	N.S.	N.B.	Que. ^b	Ont.	Man.	Sask.	Alta.	B.C.	Canada
hectares												
A. Site preparation	1984	-	648	4 857	224	-	39 475	447	3 986	-	-	49 637
	1985	-	1 483	8 343	1 652	65 754	14 855	588	5 261	-	14 270	112 206
	1986	772	1 416	11 611	1 168	81 682	53 069	2 050	2 269	1 608	19 253	174 898
B. Planting and direct seeding	1984	-	347	3 030	12 130	35 832	13 992	1	-	-	-	29 500
	1985	-	492	3 776	14 747	55 227	18 753	638	2 882	-	13 953	91 073
	1986	797	699	5 059	15 649	993	3 177	-	-	20 467	-	115 867
C. Stand tending	1984	-	1 037	11 580	5 378	-	8 806	618	56	-	-	27 475
	1985	-	1 160	16 762	24 183	14 561	10 605	339	764	30	5 546	73 950
	1986	6 788	1 217	17 299	8 758	16 119	28 751	642	629	55	34 587	114 845
D. Silviculture treatments^c	1984	-	2 032	19 467	17 732	-	62 273	1 066	4 042	-	-	106 612
	1985	-	3 135	28 881	40 582	116 147	44 213	1 565	8 907	30	33 769	277 229
	1986	8 357	3 332	33 969	25 575	153 028	95 619	3 685	6 075	1 663	74 307	405 610
E. Pest control	1984	-	-	-	-	-	-	-	-	-	-	-
	1985	-	-	-	-	30 949	-	1 066	-	-	-	32 015
	1986	-	-	-	-	14 633	30	-	-	-	-	14 663

a 1984 for fiscal year 1984-1985, 1985 for 1985-1986 and 1986 for 1986-1987.

b Forest Development Subsidiary Agreement and Gaspé and Lower St. Lawrence Program.

c Excluding pest control.

Source: Kuhnke, D.H. Silviculture statistics for Canada: an 11-year summary. Forestry Canada.

I - 8. SILVICULTURE TREATMENTS (VALUE) PERFORMED UNDER FOREST ECONOMIC
AND REGIONAL DEVELOPMENT AGREEMENTS, 1984-1986^a

	Year	Nfld.	P.E.I.	N.S.	N.B.	Que. ^b	Ont.	Man.	Sask.	Alta.	B.C.	Canada
\$000												
A. Site preparation	1984	-	140	716	43	-	8 350	140	489	-	-	9 878
	1985	-	309	1 265	270	13 299	1 122	176	777	-	3 506	20 724
	1986	142	281	2 015	193	18 699	8 231	396	275	2 023	9 416	41 671
B. Planting and direct seeding	1984	-	69	1 052	4 065	-	2 855	235	422	-	-	8 698
	1985	-	102	1 352	4 791	11 745	6 537	400	1 171	-	3 436	29 534
	1986	290	179	2 552	5 220	19 813	2 970	339	1 340	12	6 970	39 685
C. Stand tending	1984	-	474	2 260	2 954	-	1 173	587	11	-	-	7 458
	1985	-	602	4 110	5 210	6 571	1 966	148	240	54	2 151	21 051
	1986	3 639	610	5 005	4 923	6 108	4 923	291	240	23	7 439	33 199
D. Silviculture treatments^c	1984	-	684	4 028	7 061	-	12 378	962	922	-	-	26 034
	1985	-	1 014	6 727	10 271	31 616	9 624	724	2 188	54	9 093	71 310
	1986	4 070	1 069	9 572	10 337	44 620	16 124	1 026	1 854	2 058	23 826	114 554
E. Pest control	1984	-	-	-	-	-	-	-	-	-	-	-
	1985	-	-	17	-	731	-	249	-	-	200	1 197
	1986	403	-	89	-	740	31	-	32	-	-	1 296

^a1984 for fiscal year 1984-1985, 1985 for 1985-1986 and 1986 for 1986-1987.

^bForest Development Subsidiary Agreement and Gaspé and Lower St. Lawrence Program.

^cExcluding pest control.

Source: Kuhnke, D.H. Silviculture statistics for Canada: an 11-year summary. Forestry Canada.

I - 9. FOREST FIRE STATISTICS BY PROVINCE, 1980-1988

I - 9. FOREST FIRE STATISTICS BY PROVINCE, 1980-1988 (CONCLUDED)

Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon	N.W.T.	National Parks	Canada
E. Fire control expenditure-budgeted costs (\$000)														
1980	3 250	..	1 924	339	19 170	20 708	3 031	790	7 829	7 718	2 855	3 750	--	71 364 ^b
1981	2 400	9	1 226	425	20 775	26 800	1 000	780	22 198	6 995	4 428	3 800	2 629	93 465
1982	3 300	25	585	486	19 800	24 800	8 461	1 082	32 684	6 456	3 792	4 200	1 385	107 056
1983	3 428	24	624	1 072	23 200	24 500	8 500	8 000	19 075	50 000	5 746	9 667	1 649	155 485
1984	1 735	30	..	1 186	22 800	26 000	7 600	9 020	19 658	46 000	5 900	5 495	2 240	147 665
1985	1 748	165	2 722	4 10	26 807	20 900	7 800	7 964	27 266	45 345	5 500	5 600	2 276	153 783
1986	1 801	49	..	500	25 753	31 000	8 000	11 645	18 017	..	3 300	5 815	2 731	108 811
1987	1 760	37	..	534	25 135	35 000	7 887	13 678	17 600	..	5 000	6 600	2 399	115 630
1988	..	..	..	..	..	..	..	..	..	..	..	..	..	..
F. Fire control expenditure fire-fighting costs (\$000)^f														
1980	420	..	300	770	1 869	56 183	7 155	15 311	37 341	18 024	2 045	11 800	3 370	154 591 ^b
1981	665	13	120	263	2 369	2 700	7 353	21 995	51 830	39 223	3	7 582	1 769	135 891
1982	130	-	186	3 010	3 249	16 999	2 725	8 250	55 912	42 258	532	7 283	1 031	141 565
1983	50	-	159	2 229	11 803	20 000	8 259	7 589	16 214	24 800	1 478	7 700	300	100 581
1984	592	34	250	517	1 100	7 500	7 337	14 724	7 804	37 500	1 300	4 800	2 018	85 674
1985	2 247	177	304	1 045	1 831	2 500	1 634	9 109	9 234	101 479	6 676	3 513	2 391	136 140
1986	4 372	92	276	9 000	5 192	16 500	1 234	11 645	13 284	21 539 ^d	3 700	13 180	2 294	102 308
1987	3 060	31	..	2 834	4 042	23 100	15 148	33 794	25 286	35 836 ^d	550	9 320	2 320	155 321
1988	..	..	..	..	..	..	..	..	..	..	..	..	..	..

^bApproximately 60% of the forest fires have a known-man cause, 35% are caused by lightning and 3% have an unknown cause.

^cIncludes other federal lands.

^dDoes not include limited protection zone, includes intensive protection zone only.

^eAs of 1986, data on value lost are no longer reported.

^fExcludes the value of timber lost on 18 396 ha in the limited protection zone from 1980 to 1982.

^gDoes not include air tankers and rappattacks.

Not: Because of differences in administrative and accounting procedures, direct comparisons between provinces and other jurisdictions are difficult and potentially misleading. The function of these data is to show the order of magnitude of forest fire control expenditures and monetary losses in Canada as well as to provide a record of the annual trend. The values are the best available, but their limitation should be recognized.

Source: Ramsey, G.S., Higgins, D.G. Canadian Forest Fire Statistics 1980 and Canadian Forest Fire Statistics 1981, 1982, 1983. Forestry Canada and unpublished figures 1984-1988.

I - 10. STATISTICS ON FOREST INSECT AND DISEASE CONDITIONS - ESTIMATED
AVERAGE ANNUAL DEPLETION CAUSED BY IMPORTANT PESTS, 1977-1981

Type	Average annual mortality volume	Growth reduction	Wood destruction	Total
1 000 000 m ³				
A. Insects				
Spruce budworms				
Nfld.	3.7	..	-	3.7
P.E.I.	..	..	-	..
N.S.	3.1	..	-	3.1
N.B.	1.6	..	-	1.6
Que.	14.8	..	-	14.8
Ont.	11.6	..	-	11.6
Total	34.8	9.7	-	44.5
Mountain pine beetle	5.1	..	-	5.1
Spruce bark beetle	3.5	..	-	3.5
Other bark beetles	0.3	..	-	0.3
Aspen defoliators	..	8.0	-	8.0
Miscellaneous defoliators	0.3	0.8	-	1.1
Total	44.0	18.5	-	62.5
B. Diseases				
Dwarf mistletoes	...	3.8	-	3.8
Hypoxylon canker	11.2	..	-	11.2
Decays	...	...	25.0	25.0
Miscellaneous diseases	4.9	..	-	4.9
Total	16.1	3.8	25.0	44.9
Total insects and diseases	60.1	22.3	25.0	107.4

Source: Sterner, T.E.; Davidson, A.G. (compilation) and regional centers (collaboration). Forest Insect and Disease Conditions in Canada 1981. Forestry Canada.

I - 11. PUBLIC AND INDUSTRY EXPENDITURES ON FOREST MANAGEMENT ACTIVITIES, 1977-1985^a

Source	Year	Silviculture	Forest protection	Resource access	Research	Inventory	Timber management	Administration	Other ^b	Total ^c
Provincial	1977	83.5	90.5	45.2	6.2	13.6	-	121.8	-	360.8
	1979	115.7	125.8	72.3	9.9	13.7	43.1	110.0	-	490.5
	1981	195.6	262.8	79.5	16.5	20.8	71.6	138.8	-	785.6
	1982	227.6	240.2	74.8	17.5	20.6	78.6	160.7	-	820.0
	1983	240.9	182.1	87.1	18.3	21.3	75.1	159.2	-	783.9
	1984	302.4	191.5	95.9	18.6	19.8	76.9	177.9	-	882.9
	1985	349.8	299.3	99.8	20.6	20.6	85.2	187.6	-	1 063.0
Federal	1977	18.6	6.2	10.6	31.0	0.8	-	10.5	-	77.7
	1979	26.9	11.2	19.2	30.1	1.4	2.9	11.5c	-	103.2
	1981	33.7	22.5	23.0	39.9	1.8	3.1	18.6c	-	142.6
	1982	46.4	26.5	17.7	46.2	0.6	2.3	11.1c	-	150.8
	1983	58.4	25.8	20.7	58.9	0.7	2.8	16.3c	-	183.6
	1984	38.7	22.5	10.4	66.2	1.9	3.0	39.6	-	182.3
	1985	63.5	20.4	8.1	68.8	3.2	41.5	-	-	209.0
Industry	1977	16.1	18.6	161.0	-	..	..	..	..	25.1
	1979	21.9	20.9	193.2	-	..	..	..	..	42.0
	1981	43.0	26.3	162.8	-	..	..	..	..	87.4
	1982	..	..	..	..	..	..	..	..	319.5b
	1983	36.6	33.7	121.8	-	..	..	..	..	..
	1984	..	..	..	..	..	..	..	..	88.1
	1985	63.3	39.4	238.8	-	..	..	..	..	280.3
Total expenditures	1977	118.2	115.3	216.8	37.2	..	..	..	..	220.8
	1979	164.5	157.8	284.7	40.0	..	..	..	..	278.0
	1981	272.3	311.6	265.3	56.4	..	..	..	..	319.5
	1982	..	..	..	..	..	..	..	..	..
	1983	335.9	241.6	229.6	77.2	..	..	..	..	363.5
	1984	..	..	..	..	..	..	..	..	..
	1985	476.6	359.1	346.7	89.4	..	..	..	..	406.1
										1 677.9

^a1977 for fiscal year 1977-1978...1985 for 1985-1986.

^bOther expenditures in this case include the "inventory," "timber management," and "administrative and other" categories of the public expenditures and the "other forestry" category of the industrial expenditure.

^c\$8.1 million, \$17.3 million, \$8.9 million, \$14.1 million, and \$32.3 million expended by Forestry Canada headquarters in Hull, Quebec, for 1979, 1981, 1982, 1983, and 1985. Expenditures for 1977 are not known.

Source: Barron, D.E.; Smyth, J.H.; Campbell, K.L.; Martel, G.; Lapointe, J.-P. Forest Management Expenditures in Canada, 1977-1983, 1983-1985. Canadian Pulp and Paper Association and Forestry Canada.

I - 12. PUBLIC AND INDUSTRY EXPENDITURES ON FOREST MANAGEMENT BY SOURCE,
ACTIVITY, AND PROVINCE, 1977-1985^a

Source/ activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta. Prairies	B.C.	Sub- total			Yukon and N.W.T.	Canada	
													\$000 000					
A. Source																		
Provincial	1977	6.4	0.2	12.4	16.1	35.1	73.6	86.9	6.3	7.7	26.9	40.9	125.2	361.7	-	361.7		
	1979	7.1	0.6	8.3	18.3	34.3	95.1	106.2	9.5	13.2	45.4	68.1	186.7	490.4	-	490.4		
	1981	13.3	1.2	10.6	26.7	51.8	106.5	176.3	15.7	34.0	116.3	166.3	284.9	785.5	-	785.5		
	1983	12.2	1.6	14.3	31.9	60.0	131.3	237.2	5.8	14.3	64.6	84.7	270.7	783.9	-	783.9		
	1985	12.3	2.1	18.4	34.0	66.8	191.0	278.2	7.8	16.5	68.5	92.8	434.5	1 063.0	-	1 063.0		
Federal	1977	11.3	0.6	1.2	10.5	23.6	23.0	10.8	-	0.6	4.2	4.8	4.1	66.3	10.5	76.8		
	1979	8.6	1.4	3.0	12.4	25.4	35.6	11.5	1.3	3.3	3.6	8.2	10.4	91.1	12.2	103.3		
	1981	8.2	2.0	5.0	14.5	29.7	46.7	24.3	-	2.4	4.9	7.3	10.0	118.0	24.7	142.7		
	1983	15.8	2.0	4.3	17.6	39.7	64.2	31.0	-	7.3	7.3	14.3	156.5	27.1	183.6	183.6		
	1985	17.0	2.7	9.5	16.3	45.5	67.4	39.5	2.7	3.0	8.9	14.6	20.8	155.5	21.2	209.0		
Industrial	1977	1.4	-	5.3	10.7	17.4	43.4	29.7	1.0	2.7	13.0	16.7	113.6	220.8	-	220.8		
	1979	3.4	-	5.1	14.6	23.1	48.4	28.9	1.4	3.0	8.4	12.8	164.8	278.0	-	278.0		
	1981	7.7	-	10.4	20.7	38.8	55.1	29.1	2.4	4.8	10.2	17.4	179.1	319.5	-	319.5		
	1983	5.0	-	7.7	13.6	26.3	51.9	32.8	1.6	1.9	16.4	19.9	149.3	280.3	-	280.3		
	1985	7.7	-	10.3	16.8	34.8	41.3	37.1	2.7	1.4	19.0	23.1	269.6	405.9	-	405.9		
B. Activity																		
Silviculture	1977	0.9	0.6	3.8	7.9	13.2	24.9	31.9	0.9	2.7	6.3	9.9	38.3	118.2	-	118.2		
	1979	0.6	1.3	3.9	10.4	16.2	30.2	42.3	2.1	4.1	8.7	14.9	60.9	164.5	-	164.5		
	1981	4.0	1.7	8.7	17.9	32.3	43.1	80.4	1.3	4.0	12.8	18.1	98.4	272.3	-	272.3		
	1983	8.6	2.2	9.6	15.5	35.9	71.5	95.5	1.9	4.1	17.2	23.2	109.8	335.9	-	335.9		
	1985	10.3	2.9	16.5	23.5	53.2	113.3	116.1	5.6	5.6	15.0	26.2	167.8	476.6	-	476.6		
Protection	1977	2.5	-	1.3	9.8	13.6	31.2	32.0	3.5	3.0	9.7	16.2	16.4	109.4	5.9	115.3		
	1979	5.6	0.1	2.9	9.3	17.9	23.2	33.4	6.0	5.4	19.4	30.8	42.3	147.6	10.2	157.8		
	1981	7.6	0.1	3.7	15.6	27.0	29.9	52.3	11.6	26.4	76.8	114.8	65.3	289.3	22.3	311.6		
	1983	3.6	-	3.3	16.6	23.5	49.6	65.2	1.9	7.8	19.5	29.2	48.9	216.3	25.3	241.6		
	1985	6.5	0.2	4.7	13.7	25.1	46.3	63.5	2.0	9.3	22.8	34.1	170.6	339.6	19.4	359.1		
Resource access	1977	4.6	-	4.9	4.7	14.2	41.5	31.5	1.7	3.6	8.6	13.9	115.7	216.8	-	216.8		
	1979	4.1	0.1	5.1	5.4	14.7	53.7	32.0	2.0	6.3	5.2	13.5	170.8	284.7	-	284.7		
	1981	4.8	0.1	6.1	2.9	13.9	53.7	43.6	2.4	6.3	7.7	16.4	137.7	265.3	-	265.3		
	1983	5.8	0.1	5.2	3.8	14.9	46.2	71.3	1.0	0.4	6.4	7.6	89.6	229.3	-	229.3		
	1985	5.0	0.1	5.5	1.4	12.0	23.6	80.2	1.1	1.5	6.1	8.7	221.9	346.4	-	346.4		

I - 12. PUBLIC AND INDUSTRY EXPENDITURES ON FOREST MANAGEMENT BY SOURCE,
ACTIVITY, AND PROVINCE, 1977-1985^a (CONCLUDED)

Source/ activity	Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Sub- total	Yukon and N.W.T.	Canada
														\$000 000		
B. Activity (continued)																
Research ^b	1977	1.8	-	0.3	3.8	5.9	9.3	11.6	-	-	3.8	3.8	6.6	37.2	-	37.2
	1979	2.1	0.1	0.3	5.3	7.8	6.3	13.3	-	-	3.6	3.6	9.0	40.0	-	40.0
	1981	3.4	0.3	0.3	6.5	10.5	7.7	17.5	-	-	5.7	5.7	15.0	56.4	-	56.4
	1983	4.3	0.1	0.5	8.7	13.6	10.4	25.6	-	0.1	9.7	9.8	17.7	77.2	-	77.2
	1985	5.3	0.2	0.8	8.5	14.8	12.6	26.6	1.4	0.5	11.1	13.0	22.4	89.4	-	89.4
Other ^c	1977	9.3	0.2	8.6	11.1	29.2	33.1	20.4	1.2	1.7	15.7	18.6	65.9	167.2	4.6	171.8
	1979	6.7	0.4	4.1	14.9	26.1	65.7 ^d	25.6	2.1	3.7	20.5	26.3	78.9	222.6	2.0	224.6
	1981	9.4	1.0	7.2	19.0	36.6	73.9 ^d	35.9	2.8	4.5	28.4	35.7	157.6	339.7	2.4	342.1
	1983	10.7	1.2	7.7	18.7	38.3	69.8 ^d	43.3	2.6	3.8	35.6	42.0	168.2	361.6	1.9	363.5
	1985	9.9	1.5	10.7	19.9	42.0	103.9 ^d	68.3	3.1	3.8	41.5	48.4	142.1	372.4	1.8	406.1
Total	1977	19.1	0.8	18.9	37.3	76.1	140.0	127.4	7.3	11.0	44.1	62.4	242.9	648.8	10.5	659.3
	1979	19.1	2.0	16.3	45.3	82.7	179.1	146.6	12.2	19.5	57.4	89.1	361.9	859.4	12.2	871.6
	1981	29.2	3.2	26.0	61.9	120.3	208.3	229.7	18.1	41.2	131.4	190.7	474.0	1 223.0	24.7	1 267.7
	1983	33.0	3.6	26.3	63.1	126.0	247.4	300.9	7.4	16.2	88.4	112.0	434.2	1 220.7	27.1	1 267.8
	1985	37.0	4.9	38.2	67.0	147.1	299.7	354.7	13.2	20.7	96.5	130.4	724.8	1 656.7	21.2	1 677.9

^a1977 for fiscal year 1977-1978, ... 1985 for 1985-1986.

^bResearch expenditures include only provincial and federal estimates.

^cOther expenditures in this case include the "inventory," "timber management," and "administration and other" categories of the public expenditures and the "other forestry" category of the industrial expenditure.

^d\$8.1 million \$17.3 million, \$8.9 million, \$14.1 million, and \$32.3 million expended by Forestry Canada headquarters in Hull, Quebec, for 1979, 1981, 1982, 1983 and 1985. Expenditures for 1977 are not known.

Source: Barron, D.E.; Smyth, J.H.; Campbell, K.L.; Lapointe, G.; Martel, J.P. Forest Management Expenditures in Canada, 1977-1983, 1983-1985. Canadian Pulp and Paper Association and Forestry Canada.

FOREST MANAGEMENT EXPENDITURES

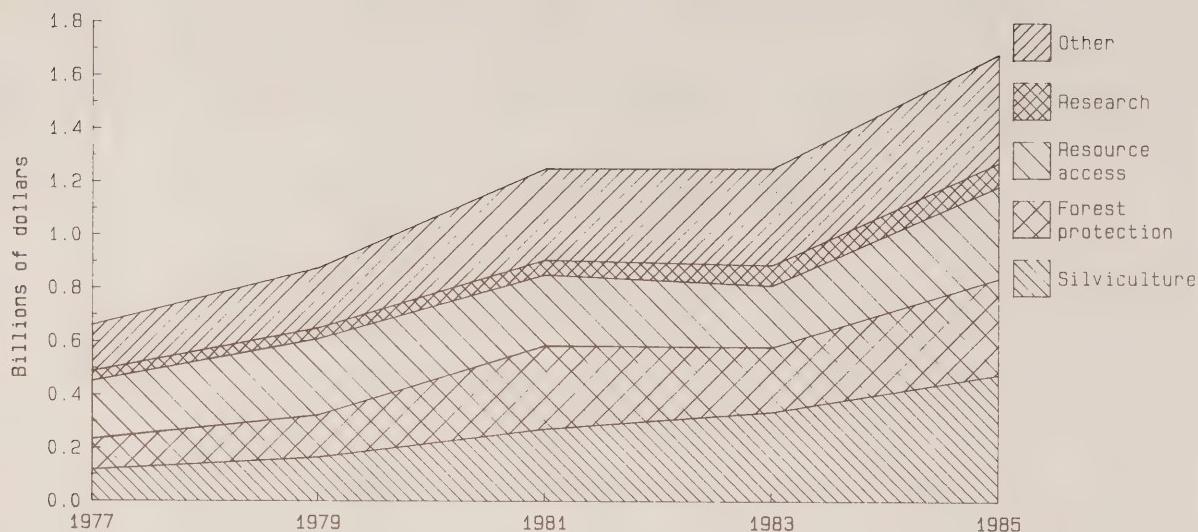


Figure 4. Public and industry expenditures on forest management by activity, 1977-1985.

Source: Forest Management Expenditures in Canada 1977-1985, Canadian Pulp and Paper Association and Forestry Canada.

FOREST MANAGEMENT EXPENDITURES

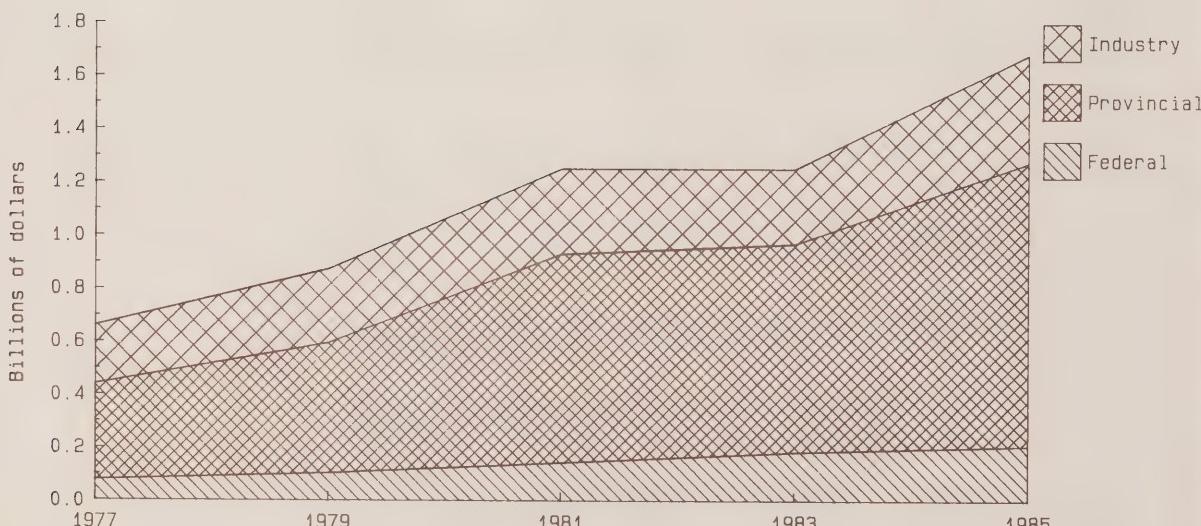


Figure 5. Public and industry expenditures on forest management by source, 1977-1985.

Source: Forest Management Expenditures in Canada 1977-1985, Canadian Pulp and Paper Association and Forestry Canada.

I - 13. FEDERAL/PROVINCIAL FOREST AGREEMENT STATISTICS ON FOREST DEVELOPMENT BY
SILVICULTURE ACTIVITIES AND PROVINCE, 1987^a

Area/activity	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada ^b
A. Area treated (1 000 ha)^c											
Site preparation and regeneration	7.2	2.5	17.4	15.7	158.9	54.1	1.8	7.3	5.1	58.8	328.7
Other silviculture treatments	6.0	1.3	15.4	9.2	23.5	24.7	1.6	0.3	6.3	45.6	133.8
Forest protection	-	-	-	-	-	0.5	0.8	-	-	-	1.3
Total	13.2	3.8	32.8	24.9	182.4	79.3	4.1	7.6	11.4	104.4	463.8
B. Source of expenditures by activity (\$000)^d											
Site preparation and regeneration	Federal	2 558.9	790.3	4 048.7	2 692.0	24 461.4	11 944.0	760.7	581.4	15.9	907.8
	Provincial	1 123.0	39.0	255.0	2 121.0	24 130.2	11 272.7	1 147.2	2 546.5	1 228.0	569.3
	Total	3 681.9	829.3	4 303.7	4 813.0	48 591.6	23 216.7	1 907.9	3 128.0	1 243.9	33 477.1
Other silviculture treatments	Federal	3 761.3	1 698.3	6 748.4	3 691.7	4 787.4	2 838.6	488.4	355.9	26.8	256.0
	Provincial	1 650.7	150.9	763.8	3 038.8	4 684.5	6 321.0	269.4	29.5	525.8	11 570.4
	Total	5 412.0	1 849.2	7 512.2	6 730.4	9 477.9	9 159.6	757.8	385.5	772.6	24 826.4
Forest protection	Federal	202.7	-	-	-	-	-	11.4	-	177.1	45.4
	Provincial	89.0	-	142.0	-	-	-	9.7	46.0	278.1	20.4
	Total	291.7	-	142.0	-	-	-	21.0	46.0	455.2	65.9
Research and forest extention	Federal	1 237.4	308.0	4 757.3	1 745.5	913.2	2 173.3	902.1	774.8	1 671.4	3 584.1
	Provincial	543.0	42.0	8 290.6	1 862.8	2 791.3	1 107.5	1 308.7	237.5	797.8	3 383.6
	Total	1 780.4	349.9	13 047.9	3 608.3	3 704.5	3 280.8	2 210.8	1 012.3	2 469.2	6 967.7
Other activities ^e	Federal	893.0	576.3	1 963.9	442.0	1 589.7	863.7	236.8	497.8	653.4	3 305.8
	Provincial	298.5	1 255.6	400.5	2.1	604.3	357.5	5.6	122.4	524.6	1 739.4
	Total	1 191.4	1 831.8	2 364.4	444.1	2 194.0	1 221.2	242.4	620.2	1 177.9	5 045.2
Total activities^b	Federal	8 653.3	3 372.8	17 518.3	8 571.2	31 751.7	17 831.0	2 388.0	2 387.0	2 632.9	35 053.7
	Provincial	3 704.1	1 487.5	9 851.9	7 024.6	32 210.2	19 068.3	2 776.9	3 214.1	3 096.6	35 267.7
	Total	12 357.4	4 860.3	27 370.2	15 595.8	63 962.0	36 899.3	5 164.9	5 601.1	5 729.5	70 316.4

^aFiscal year 1987-1988.

^bTotal may not add up due to rounding.

^cA hectare may be duplicated if it received more than one silviculture treatment.

^dActual costs per hectare may not be calculated as these costs in part B include indirect items.

^eThe category "Other activities" includes the expenditures related to administration, communication and evaluation.

Source: Special Compilation, Development Branch, DEVNIS, Forestry Canada.

I - 14. FEDERAL/PROVINCIAL FOREST AGREEMENT STATISTICS ON FOREST DEVELOPMENT BY
TENURE AND PROVINCE, 1987^a

Area/tenure	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada ^b
A. Area treated (1 000 ha)^c											
Provincial Crown Lands	12.5	0.3	0.6	16.7	130.7	64.0	3.2	6.7	11.1	99.8	345.6
Federal and Indian Lands	-	-	--	-	1.5	1.4	-	--	0.3	1.6	5.0
Private Lands	0.7	3.5	32.1	8.1	50.2	13.9	-	0.1	-	2.9	111.6
Tenure not applicable	-	-	-	-	-	-	0.9	0.7	-	-	1.6
Total	13.2	3.8	32.8	24.9	182.4	79.3	4.1	7.6	11.4	104.4	463.8
B. Source of expenditures by tenure (\$000)^d											
Provincial Crown Lands	3 292.4	719.0	-	5 538.2	20 146.6	12 591.1	1 375.8	1 252.5	334.1	27 413.1	73 022.7
- Federal	3 227.0	312.0	6 629.5	22 035.4	17 049.2	2 768.4	3 187.2	2 772.5	33 340.4	89 766.5	
- Provincial	1 444.9	946.0	312.0	12 167.7	42 182.0	30 000.3	4 144.2	4 439.7	3 106.6	60 753.4	162 789.2
- Total	4 737.3	-	-	-	-	-	-	-	-	-	-
Federal and Indian Lands	-	-	-	46.5	49.2	444.8	679.6	-	47.6	133.9	1 501.1
- Federal	-	-	-	-	-	-	-	-	-	-	-
- Provincial	-	-	-	-	-	-	-	-	-	-	-
- Total	-	-	-	46.5	49.2	444.8	679.6	-	47.6	133.9	1 501.1
Private lands	265.5	1 127.9	11 025.7	2 836.0	9 570.6	1 856.0	-	46.0	-	1 073.9	27 801.6
- Federal	116.5	-	429.4	395.1	9 570.6	1 246.8	-	-	-	-	11 758.4
- Provincial	382.0	1 127.9	11 455.1	3 231.2	19 141.2	3 102.8	-	46.0	-	1 073.9	39 560.0
- Total	7 238.2	2 786.4	15 556.7	147.7	2 194.0	3 116.6	1 020.7	1 067.8	2 489.0	6 987.9	42 604.8
Tenure not applicable	5 095.4	1 525.9	6 446.1	147.7	1 589.7	2 344.3	1 012.2	1 040.9	2 164.9	5 065.6	26 432.8
- Federal	2 142.7	1 260.5	9 110.6	-	604.3	772.3	8.5	26.9	324.0	1 922.3	16 172.0
- Provincial	-	-	-	-	-	-	-	-	-	-	-
- Total	7 238.2	2 786.4	15 556.7	147.7	2 194.0	3 116.6	1 020.7	1 067.8	2 489.0	6 987.9	42 604.8
Total b	8 653.3	3 372.8	17 518.3	8 571.1	31 751.7	17 831.0	2 388.0	2 387.0	2 632.9	35 053.7	130 159.9
- Federal	3 704.1	1 487.5	9 852.0	7 024.6	32 210.2	19 068.3	2 776.9	3 214.1	3 096.6	35 262.7	117 696.9
- Provincial	12 357.5	4 860.3	27 370.3	15 595.8	63 962.0	36 899.3	5 164.9	5 601.1	5 729.5	70 318.4	247 856.8

^aFiscal year 1987-1988.

^bTotal may not add up due to rounding.

^cA hectare may be duplicated if it received more than one silviculture treatment.

^dActual costs per hectare may not be calculated as these costs in part B include indirect items.

Source: Special Compilation, Development Branch, DENMIS, Forestry Canada.

I - 15. FARM WOODLOTS BY PROVINCE, 1951-1986

Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Farm woodlots in Canada	Total farm a	%
A. Area of farm woodlots (1 000 ha)															
1951	15	140	747	827	1 729	2 377	1 559	734	1 192	1 160	3 086	468	9 219	70 434	13.1
1961	8	120	552	498	1 178	1 822	1 318	603	888	866	2 357	305	6 980	69 829	10.0
1971	5	85	300	276	666	1 254	931	389	404	674	1 467	342	4 660	68 662	6.8
1976	8	75	262	227	572	1 160	833	376	415	709	1 500	302	4 367	68 427	6.4
1981	6	65	241	201	513	1 069	742	248	282	493	1 023	204	3 551	65 889	5.4
1986	5	61	201	184	451	1 030	588	124	153	289	566	155	2 789	67 826	4.1
B. Number of farms reporting forest products sales^b															
1980	40	253	1 382	1 993	2 768	10 445	4 326	278	246	540	1 064	1 255	19 858	***	***
1985	31	161	1 015	886	2 093	9 386	3 331	198	164	359	721	989	16 520	***	***
C. Value of sales (\$000)															
1980	92	363	4 726	4 332	9 513	23 975	11 957	1 080	993	2 542	4 615	14 928	64 988	***	***
1985	117	438	5 526	6 142	12 223	31 303	12 120	1 334	1 194	2 091	4 619	13 461	73 727	***	***

a A 1981 "Census Farm" is defined as a farm, ranch, or other agricultural holding with sales of agricultural products during the past 12 months of \$250 or more.

b Includes sales of Christmas trees, fuelwood, and logs, and income from stumpage leases where an agreed amount is paid for cutting timber or pulpwood from the land. It excludes the sales of maple products.

Source: Statistics Canada. Census of Agriculture, 1986.

SECTION II

COMMODITY PRODUCTION AND SHIPMENTS

- Roundwood
- Lumber
- Wood pulp
- Newsprint
- Paper and paperboard
- Wood-based panels

II - 1. ESTIMATION OF ROUNDWOOD PRODUCTION IN CANADA BY CATEGORY AND SPECIES GROUP, 1950-1986

Year	Logs and bolts	Pulpwood	Industrial roundwood			Fuelwood			Total					
			Other roundwood		Total	Softwoods		Hardwoods	Softwoods		Hardwoods			
			1	000 m ³		1	000 m ³		1	000 m ³		1	000 m ³	
1950	40 095	32 311	1	700	74 106	..	..	..	11 509	..	..	..	85 615
1960	51 120	33 924	1	461	86 505	..	..	..	6 751	..	..	..	93 256
1970	75 711	40 335	1	236	117 282	109 143	8 140	1 527	2 610	4 137	110 669	10 750	121 419	
1971	77 948	36 902	1	117	115 967	107 753	8 214	1 276	2 458	3 734	109 029	10 672	119 701	
1972	81 211	38 428	1	109	120 748	111 331	9 417	1 196	2 187	3 383	112 526	11 604	124 131	
1973	96 886	42 378	1	079	140 343	129 688	10 655	1 165	2 297	3 462	170 853	12 952	143 806	
1974	85 295	48 034	1	087	134 416	124 575	9 841	1 149	2 363	3 512	125 724	12 204	137 928	
1975	73 543	37 063			891	111 497	103 437	8 060	1 211	2 554	3 765	104 648	10 614	115 262
1976	97 135	36 832	1	260	135 227	127 083	8 144	1 266	2 633	3 899	128 349	10 777	139 126	
1977	103 707	36 732	1	141	141 580	132 652	8 928	1 017	2 665	3 682	133 669	11 593	145 262	
1978	111 536	38 039	1	344	150 918	142 798	8 914	1 109	3 074	4 183	143 114	11 988	155 102	
1979	114 433	40 242	1	789	156 464	147 661	9 590	1 281	3 225	4 506	148 155	12 815	160 970	
1980	109 957	38 783	1	909	150 649	141 285	9 364	1 278	3 453	4 731	142 563	12 817	155 380	
1981	96 318	41 204	1	562	139 084	130 633	8 451	1 410	4 078	5 488	132 043	12 529	144 572	
1982	88 869	31 084	1	390	121 343	114 317	7 026	1 548	4 125	5 673	115 865	11 151	127 016	
1983	111 269	38 090	1	365	150 724	142 293	8 431	1 609	4 588	6 197	143 902	13 019	156 921	
1984	117 254	42 051	1	562	160 867	151 541	9 326	1 880	4 755	6 635	153 421	14 081	167 502	
1985	119 336	40 601	2	048	161 985	152 655	9 330	1 837	4 832	6 669	154 492	14 162	168 654	
1986	125 383	42 655	2	224	170 263	160 106	10 157	1 757	5 077	6 835	161 863	15 234	177 097	

Source: Statistics Canada Cat. No. 25-201.

ROUNDWOOD

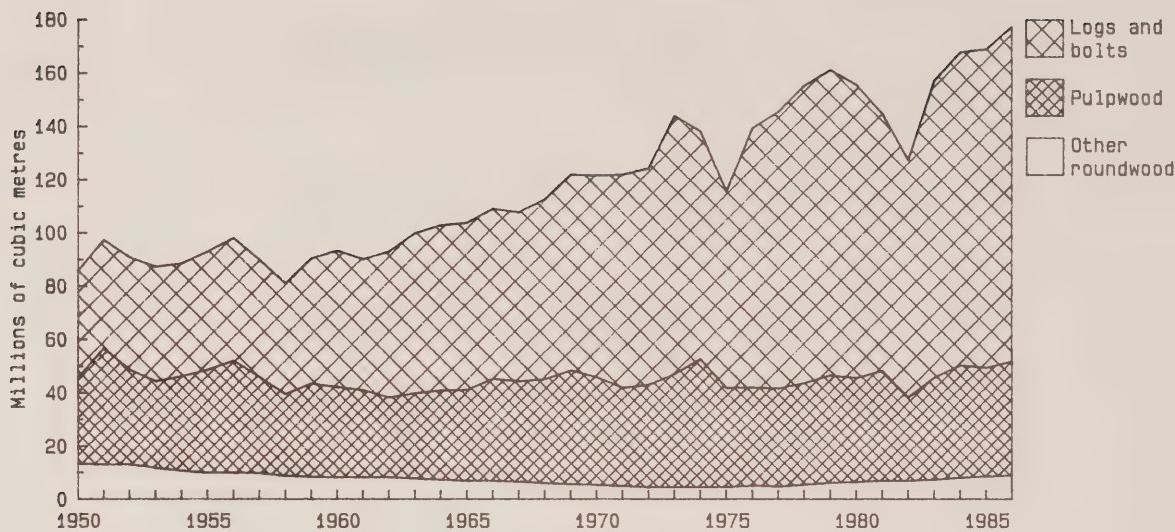


Figure 6. Roundwood production in Canada, 1950-1986.

Source: Statistics Canada, Cat. No. 25-201.

ROUNDWOOD

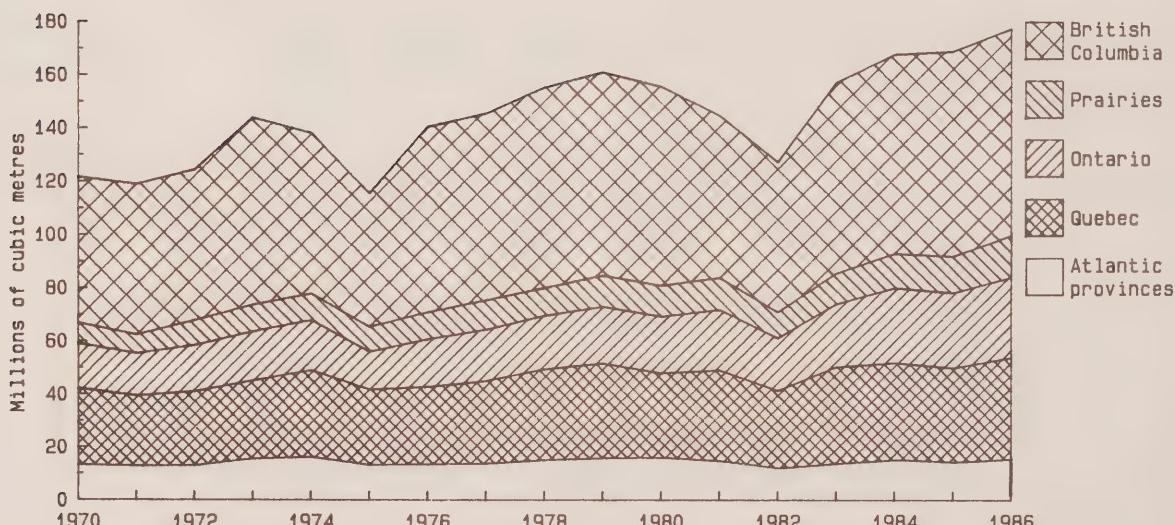


Figure 7. Roundwood production by region, 1970-1986.

Source: Statistics Canada, Cat. No. 25-201.

II - 2. ESTIMATION OF ROUNDWOOD PRODUCTION BY PROVINCE, CATEGORY, AND SPECIES GROUP, 1970-1986

Year	Industrial roundwood			Fuelwood			Total		
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods	Total	Softwoods	Hardwoods
Newfoundland									
1970	170	2 527	4	2 701	-	112	35	147	2 813
1971	151	2 013	4	2 168	2 165	31	156	2 290	34
1972	148	2 071	6	2 225	2 222	3	105	25	2 327
1973	241	2 563	7	2 811	2 808	3	108	34	2 915
1974	184	2 874	8	3 066	3 063	3	108	37	3 171
1975	147	2 195	6	2 348	2 345	3	79	25	2 424
1976	207	2 011	20	2 238	2 232	6	76	31	104
1977	230	1 875	8	2 113	2 110	3	62	20	107
1978	261	1 909	8	2 178	2 175	3	88	22	107
1979	269	1 968	17	2 254	2 248	6	202	25	2 263
1980	207	2 189	130	2 526	2 523	3	241	28	2 450
1981	261	1 903	8	2 172	2 169	3	356	40	2 764
1982	147	1 736	9	1 892	1 889	3	425	62	396
1983	293	1 697	5	1 995	1 989	6	379	55	487
1984	183	2 053	4	2 240	2 239	1	572	77	2 314
1985	183	1 760	8	1 951	1 950	1	490	68	56
1986	228	1 732	6	1 966	1 963	3	389	53	442
Prince Edward Island									
1970	68	109	10	187	186	1	34	23	57
1971	77	66	9	152	137	15	40	20	60
1972	67	66	5	138	134	4	31	20	51
1973	69	62	10	141	129	12	3	28	31
1974	83	62	8	153	148	5	6	31	37
1975	71	45	6	122	118	4	8	37	45
1976	68	48	6	122	116	6	8	34	42
1977	65	37	3	105	105	-	6	28	34
1978	71	45	6	122	122	-	6	31	37
1979	85	48	11	144	144	-	11	68	79
1980	91	91	11	193	184	9	14	71	85
1981	102	59	28	189	172	17	11	133	144
1982	68	48	9	125	116	9	17	133	150
1983	96	31	11	138	125	13	18	138	156
1984	84	42	-	126	121	5	72	215	287
1985	85	43	-	128	123	5	72	215	287
1986	114	46	-	160	153	7	79	237	316

II - 2. ESTIMATION OF ROUNDWOOD PRODUCTION BY PROVINCE, CATEGORY, AND SPECIES GROUP, 1970-1986 (CONTINUED)

Year	Industrial roundwood						Fuelwood						Total		
	Logs and bolts	Pulpwood	Other roundwood	Total			Softwoods	Hardwoods	Total			Softwoods	Hardwoods	Total	
				Softwoods	Hardwoods	Total			Softwoods	Hardwoods	Total				
1 000 m ³															
Nova Scotia															
1970	1 033	2 022	32	2 876	211	48	109	157	2 904	320	3 224	3 236	3 236	3 236	3 236
1971	801	2 263	19	3 083	2 879	45	108	153	2 924	312	3 257	3 257	3 257	3 257	3 257
1972	953	2 144	16	3 133	2 832	40	105	145	2 851	405	3 596	3 596	3 596	3 596	3 596
1973	1 025	2 394	16	3 435	3 071	51	108	159	3 125	471	534	534	534	534	534
1974	1 021	2 792	14	3 827	3 420	42	127	169	3 462	534	599	599	599	599	599
1975	837	508	13	3 558	3 075	40	141	181	3 115	424	539	539	539	539	539
1976	957	2 265	20	3 242	2 970	48	164	212	3 019	436	545	545	545	545	545
1977	940	2 540	8	3 489	3 243	45	142	187	3 288	388	676	676	676	676	676
1978	974	2 968	11	3 953	3 675	43	161	204	3 178	439	157	157	157	157	157
1979	1 059	3 098	14	4 171	3 802	57	161	218	3 859	530	389	389	389	389	389
1980	960	3 310	11	4 281	3 757	62	201	263	3 819	725	544	544	544	544	544
1981	897	2 795	17	3 709	3 367	42	235	277	3 409	577	986	986	986	986	986
1982	784	1 943	11	2 738	2 557	181	40	223	263	597	404	404	404	404	404
1983	912	2 397	16	3 325	3 116	209	45	251	296	3 161	621	621	621	621	621
1984	993	2 270	-	3 263	2 885	378	46	250	296	2 931	559	559	559	559	559
1985	954	2 190	-	3 144	2 915	229	46	250	296	2 961	440	440	440	440	440
1986	1 062	2 471	-	3 533	3 199	334	51	275	326	3 250	859	859	859	859	859
m ³															
New Brunswick															
1970	1 871	4 712	33	5 822	794	15	184	199	5 837	978	815	815	815	815	815
1971	1 778	4 913	24	6 715	921	19	171	190	5 813	1 091	905	905	905	905	905
1972	1 830	5 167	50	7 047	6 121	25	154	179	6 146	1 080	7 225	7 225	7 225	7 225	7 225
1973	2 418	6 258	37	8 713	7 181	20	136	156	7 200	1 668	8 868	8 868	8 868	8 868	8 868
1974	1 926	6 626	59	8 611	6 954	23	147	170	6 977	1 804	7 811	7 811	7 811	7 811	7 811
1975	1 755	4 913	45	6 713	5 479	40	153	193	5 519	1 387	906	906	906	906	906
1976	1 798	5 395	88	7 281	6 083	48	150	198	6 131	1 348	479	479	479	479	479
1977	1 897	5 550	85	7 532	6 399	31	139	170	6 430	1 272	7 702	7 702	7 702	7 702	7 702
1978	2 265	5 947	93	8 305	7 147	34	170	204	7 181	328	509	509	509	509	509
1979	2 322	6 088	85	8 495	7 277	1	218	221	255	7 311	1 439	8 750	8 750	8 750	8 750
1980	2 345	5 714	76	8 135	7 022	1	113	218	252	7 056	1 331	387	387	387	387
1981	2 282	5 165	82	7 529	6 524	1	005	377	229	6 561	1 234	7 795	7 795	7 795	7 795
1982	2 061	3 956	62	6 079	5 233	48	193	241	5 281	1 039	320	320	320	320	320
1983	2 360	4 752	65	7 177	6 168	1	009	212	265	6 221	7 442	221	221	221	221
1984	2 534	5 486	89	8 109	7 164	50	219	269	337	6 862	1 034	878	878	878	878
1985	2 344	5 126	89	7 559	6 812	50	287	337	337	6 862	1 034	896	896	896	896
1986	2 542	5 745	93	8 380	7 552	51	289	340	340	7 603	1 117	720	720	720	720

II - 2. ESTIMATION OF ROUNDWOOD PRODUCTION BY PROVINCE, CATEGORY, AND SPECIES GROUP, 1970-1986 (CONTINUED)

Year	Logs and bolts			Pulpwood			Other roundwood			Industrial roundwood			Fuelwood			Total		
	Quebec																	
1 000 m ³																		
1970	8	778	17 740	251	26 769	23 272	3 497	906	1 223	2 129	24 179	4 720	28 999					
1971	9	260	15 291	260	24 811	21 365	3 446	569	1 201	1 770	21 934	4 647	26 581					
1972	10	534	15 350	271	26 155	21 933	4 222	586	1 104	1 690	22 501	5 326	27 827					
1973	11	086	16 310	254	27 650	23 049	4 601	561	1 138	1 699	23 611	5 740	29 350					
1974	12	204	18 548	275	31 027	27 459	3 568	538	1 147	1 685	27 997	4 715	32 712					
1975	11	214	15 149	232	26 595	23 650	2 945	566	1 246	1 812	24 216	4 181	28 407					
1976	13	309	13 598	311	27 218	23 990	3 228	566	1 274	1 840	24 556	4 502	29 058					
1977	16	353	12 601	297	29 251	25 655	3 596	453	1 359	1 812	26 108	4 955	31 063					
1978	18	576	13 096	396	32 068	28 571	3 497	510	1 501	2 011	29 081	4 998	34 079					
1979	19	142	14 045	425	33 612	30 322	3 292	481	1 643	2 124	30 803	4 933	35 736					
1980	16	848	12 318	453	29 620	26 505	3 115	368	1 699	2 067	26 873	4 814	31 687					
1981	16	452	14 979	595	30 026	29 167	2 859	396	1 812	2 208	29 563	4 671	34 234					
1982	15	787	10 316	793	26 896	24 522	2 374	368	1 869	2 237	24 890	4 243	29 133					
1983	20	080	12 998	810	33 888	30 881	3 007	395	2 005	2 400	31 276	5 012	36 288					
1984	18	712	14 329	944	33 985	31 242	2 743	456	2 078	2 534	31 698	4 821	36 519					
1985	18	365	13 514	963	32 842	30 205	2 637	460	2 098	2 558	30 665	4 735	35 400					
1986	20	531	14 002	993	32 526	32 674	2 852	468	2 133	2 601	33 142	4 985	38 127					
Ontario																		
1970	5	154	10 638	216	16 008	13 068	2 940	181	612	793	13 250	3 551	16 801					
1971	5	380	9 472	208	15 060	12 172	2 888	229	549	778	12 401	3 438	15 839					
1972	6	088	10 349	201	16 638	13 575	3 063	212	510	732	13 787	3 574	17 361					
1973	6	357	11 142	203	17 702	14 658	3 044	215	527	742	14 875	3 571	18 446					
1974	6	017	11 893	150	18 060	14 903	3 157	227	580	807	15 130	3 737	18 867					
1975	5	267	7 929	142	13 337	10 760	2 577	241	637	878	11 001	3 214	14 215					
1976	7	362	9 401	193	16 956	14 181	2 775	255	665	920	14 436	3 340	17 876					
1977	7	915	10 306	156	18 377	15 107	3 270	198	694	892	15 305	3 964	19 269					
1978	8	255	10 604	139	18 998	15 636	3 362	255	934	1 189	15 891	4 296	20 187					
1979	9	132	10 769	133	20 034	16 098	3 936	297	963	1 260	16 395	4 899	21 294					
1980	9	061	10 803	113	19 977	16 226	3 751	255	1 090	1 345	16 481	4 841	21 322					
1981	8	707	12 105	127	20 939	17 683	3 256	382	1 487	1 869	18 065	4 743	22 808					
1982	7	634	10 222	113	17 969	15 087	2 882	359	1 450	1 809	15 446	4 322	19 778					
1983	9	008	12 450	107	21 565	18 112	3 453	431	1 740	2 171	18 543	5 193	23 736					
1984	12	321	13 631	7	25 959	21 489	4 470	360	1 811	2 171	21 849	6 281	28 130					
1985	12	238	13 805	7	26 050	21 675	4 375	360	1 815	2 175	22 035	6 190	28 225					
1986	13	009	14 841	9	27 859	23 190	4 669	1 978	1 978	2 327	23 539	6 647	30 186					

III - 2. ESTIMATION OF ROUNDWOOD PRODUCTION BY PROVINCE, CATEGORY, AND SPECIES GROUP, 1970-1986 (CONTINUED)

Year	Industrial roundwood						Fuelwood						Total		
	Logs and bolts	Pulpwood	Other roundwood	Total			Softwoods	Hardwoods	Total			Softwoods	Hardwoods	Total	
				Softwoods	Hardwoods	Total			Softwoods	Hardwoods	Total				
Manitoba															
1970	314	664	91	1 075	929	146	100	84	184	185	185	1 029	230	1 260	
1971	405	873	92	1 370	1 233	137	111	74	182	182	182	1 344	212	1 556	
1972	581	954	115	1 654	1 481	173	108	74	182	182	182	1 589	246	1 835	
1973	691	886	93	1 675	1 502	173	93	59	152	1 596	1 596	1 596	232	1 828	
1974	510	1 321	105	1 936	1 816	120	91	74	165	1 907	1 907	1 907	194	2 101	
1975	504	1 274	88	1 866	1 753	113	85	71	156	1 838	1 838	1 838	2 022	2 022	
1976	589	878	105	1 572	1 487	85	85	85	170	1 572	1 572	1 572	170	1 742	
1977	603	948	91	1 642	1 563	79	57	85	142	1 620	1 620	1 620	164	1 784	
1978	640	937	93	1 670	1 563	107	45	88	133	1 608	1 608	1 608	195	1 803	
1979	654	1 085	59	1 798	1 653	145	37	68	105	1 690	1 690	1 690	213	1 903	
1980	688	1 458	82	2 228	2 106	122	25	82	107	2 131	2 131	2 131	204	2 335	
1981	543	1 104	54	1 701	1 608	93	25	77	102	2 131	2 131	2 131	170	1 803	
1982	527	790	57	1 374	1 283	91	28	96	124	1 341	1 341	1 341	187	1 498	
1983	514	840	51	1 405	1 315	90	26	89	115	1 341	1 341	1 341	179	1 520	
1984	333	1 202	47	1 582	1 486	96	116	-b	116	1 602	1 602	1 602	96	1 698	
1985	480	1 065	48	1 593	1 470	123	124	-b	124	1 594	1 594	1 594	123	1 717	
1986	604	927	59	1 590	1 476	114	113	-b	113	1 589	1 589	1 589	114	1 703	
Saskatchewan															
1970	608	1 253	259	2 120	1 910	68	68	188	256	1 977	1 977	1 977	398	2 375	
1971	597	1 231	212	2 040	1 802	65	65	187	252	1 867	1 867	1 867	425	2 292	
1972	976	1 308	171	2 455	2 144	311	48	136	184	1 94	1 94	1 94	447	2 641	
1973	944	1 356	174	2 474	2 188	286	54	190	244	2 242	2 242	2 242	477	2 718	
1974	710	1 687	170	2 567	2 276	291	51	159	210	2 327	2 327	2 327	450	2 777	
1975	713	1 305	74	2 092	1 790	302	59	162	221	1 849	1 849	1 849	464	2 313	
1976	1 127	1 345	167	2 639	2 342	297	71	156	227	2 413	2 413	2 413	453	2 866	
1977	1 897	722	156	2 775	2 350	425	42	142	184	2 932	2 932	2 932	567	2 959	
1978	1 614	974	119	2 707	2 367	340	46	110	156	2 413	2 413	2 413	450	2 863	
1979	1 778	1 549	127	3 454	3 083	371	77	48	125	3 160	3 160	3 160	419	3 579	
1980	1 520	1 569	122	3 211	2 849	362	79	40	119	2 928	2 928	2 928	402	3 330	
1981	1 662	1 605	161	3 428	2 918	510	85	42	127	3 003	3 003	3 003	552	3 555	
1982	1 382	898	122	2 402	2 102	300	79	45	124	2 181	2 181	2 181	345	2 526	
1983	960	1 396	127	2 483	2 275	208	82	47	129	2 357	2 357	2 357	255	2 612	
1984	1 445	1 323	125	2 593	2 436	157	70	63	133	2 506	2 506	2 506	220	2 726	
1985	1 220	1 056	591	2 867	2 537	330	87	62	150	2 624	2 624	2 624	392	3 017	
1986	1 433	1 193	713	3 339	2 966	373	113	77	190	3 079	3 079	3 079	450	3 529	

II - 2. ESTIMATION OF ROUNDWOOD PRODUCTION BY PROVINCE, CATEGORY, AND SPECIES GROUP, 1970-1986 (CONCLUDED)

Year	Industrial roundwood						Fuelwood						Total			
	Logs and bolts			Pulpwood		Other	Roundwood			Total	Softwoods		Hardwoods	Fuelwood		Total
	1 000 m ³	Pulpwood	Pulpwood	Roundwood	Roundwood	Other	Total	Softwoods	Hardwoods	Softwoods	Hardwoods	Softwoods	Hardwoods	Softwoods	Hardwoods	Total
Alberta																
1970	3 186	690		115		3 991	3 937	52	40	112	152	3 978	166	4 144		
1971	3 101	779		99		3 979	3 910	69	42	117	159	3 952	186	3 138		
1972	3 639	1 017		147		4 803	4 695	108	31	59	90	4 726	167	4 893		
1973	3 956	1 402		134		5 492	5 430	62	31	76	107	5 460	139	5 599		
1974	2 560	2 229		176		4 965	4 894	71	34	59	93	4 928	130	5 058		
1975	2 944	1 745		144		4 833	4 751	82	51	79	130	4 802	161	4 963		
1976	3 341	1 892		272		5 505	5 434	71	51	71	122	5 485	142	5 627		
1977	3 893	2 152		212		6 257	6 218	39	59	54	113	6 277	93	6 370		
1978	3 817	1 558		249		5 624	5 581	43	45	57	102	5 626	100	5 726		
1979	3 945	1 592		606		6 143	6 115	28	37	28	65	6 152	56	6 208		
1980	3 925	1 331		609		5 865	5 757	108	45	23	68	5 802	131	5 933		
1981	4 647	1 489		399		6 535	6 402	133	28	23	51	6 430	156	6 586		
1982	4 257	1 175		147		5 581	5 462	119	79	54	133	5 541	173	5 714		
1983	5 666	1 529		23		7 218	7 060	158	75	51	126	7 135	209	7 344		
1984	6 557	1 715		86		8 358	7 827	531	57	42	99	7 884	573	8 457		
1985	6 786	2 041		53		8 880	7 998	882	62	37	99	8 060	919	8 979		
1986	8 556	1 698		44		10 298	9 321	977	54	35	89	9 375	1 012	10 387		
British Columbia ^a																
1970	54 409			318		54 727	54 399	327	..	..	..	54 399	327	54 726	
1971	56 364			186		56 550	56 257	293	..	..	..	56 257	293	56 551	
1972	56 338			114		56 452	56 146	306	..	..	..	56 146	306	56 451	
1973	69 998			139		70 137	69 560	577	..	..	..	69 560	577	70 137	
1974	59 975			111		60 086	59 525	561	..	..	..	59 525	561	60 086	
1975	49 942			136		50 078	49 554	516	..	..	..	49 562	516	50 078	
1976	69 424			96		69 524	69 313	207	..	..	..	69 314	207	69 521	
1977	69 823			147		69 970	69 834	136	..	..	..	69 384	136	69 971	
1978	74 951			213		75 164	75 037	127	..	..	..	75 037	127	75 164	
1979	75 892			303		76 194	75 968	227	..	..	..	75 968	227	76 195	
1980	74 247			407		74 654	74 396	258	..	..	..	74 396	258	74 654	
1981	60 700			80		60 780	60 547	233	..	..	..	60 547	233	60 780	
1982	56 178			53		56 231	56 010	221	..	..	..	56 010	221	56 231	
1983	71 320			123		71 443	71 162	281	..	..	..	71 162	281	71 443	
1984	74 337			219		74 556	74 556	.. ^b	..	..	..	74 556	.. ^b	74 556	
1985	76 622			246		76 868	76 868	.. ^b	..	..	..	76 868	.. ^b	76 868	
1986	77 240			263		77 503	77 503	..	..	..	..	77 503	..	77 503	

^aPulpwood included in logs and bolts and fuelwood included in other roundwood; see also table II - 5 for more details.
^bIncluded with softwoods.

II - 3. SHIPMENTS OF ROUNDWOOD BY PROVINCE, 1970-1986

Year	Nova Scotia	New Brunswick	Quebec	Ontario	British Columbia ^a	Other provinces	Canada
A. Quantity (1 000 m³)							
1970	1 899	7 337	24 640	14 684	43 692	5 782	98 035
1971	1 941	7 429	22 290	13 672	43 661	4 983	93 976
1972	2 089	7 002	22 599	15 704	45 914	5 918	99 226
1973	2 553	9 005	21 868	15 731	53 224	7 128	109 509
1974	2 892	9 124	23 400	16 438	47 253	8 523	107 631
1975	2 236	7 094	21 451	11 583	35 460	7 400	85 224
1976	2 122	8 129	20 044	12 983	48 824	7 187	99 289
1977	2 363	7 717	19 850	14 802	49 112	6 386	100 230
1978	2 525	8 464	19 783	15 877	51 618	7 371	105 638
1979	2 834	8 928	22 139	16 248	50 839	7 992	108 980
1980	2 908	8 525	19 443	16 743	53 130	6 978	107 727
1981	2 929	8 797	21 967	16 855	45 482	8 023	104 053
1982	2 767	5 984	17 506	15 828	36 541	7 761	86 387
1983	2 371	7 423	18 025	16 928	47 700	6 257	98 704
1984	3 751	8 914	17 889	18 290	46 357	7 247	102 448
1985	3 953	8 084	16 084	18 533	46 626	7 192	100 472
1986	4 449	8 593	20 002	20 573	41 786	7 778	103 181
B. Value (\$000 000)							
1970	17	73	307	184	475	61	1 118
1971	19	81	280	178	508	54	1 120
1972	21	79	290	205	599	70	1 265
1973	28	113	319	222	873	94	1 648
1974	39	131	394	281	846	132	1 823
1975	36	114	433	243	651	137	1 615
1976	36	143	448	307	995	149	2 078
1977	46	144	480	373	1 089	136	2 269
1978	50	165	511	428	1 281	163	2 597
1979	56	188	586	483	1 676	187	3 175
1980	61	200	553	527	1 801	187	3 329
1981	67	222	683	587	1 479	243	3 280
1982	56	165	599	540	1 302	241	2 902
1983	64	217	636	621	1 726	215	3 485
1984	90	271	661	693	1 683	236	3 634
1985	97	249	616	714	1 686	232	3 594
1986	107	267	747	796	1 621	246	3 784

^aFor additional information on shipments of roundwood in British Columbia, see Section X.C.

Source: Statistics Canada Cat. No. 25-201.

II - 4. SHIPMENTS^a OF ROUNDWOOD BY CATEGORY AND SPECIES GROUP, 1970-1986

Year	Logs and bolts		Pulpwood		Other roundwood	Total roundwood	Wood chips
	Softwoods	Hardwoods	Softwoods	Hardwoods			
1 000 m ³							
A. Quantity							1 000 t
1970	51 206	1 771	40 643	4 124	291	98 035	69
1971	52 059	1 692	36 050	3 895	281	93 976	22
1972	55 704	1 849	37 809	3 563	302	99 226	51
1973	63 706	1 896	39 003	4 607	297	109 509	37
1974	57 103	2 358	42 417	5 348	405	107 631	90
1975	45 137	1 414	36 053	2 198	422	85 224	124
1976	59 702	1 515	34 525	3 167	379	99 289	275
1977	62 105	1 717	32 432	3 635	341	100 230	318
1978	65 640	1 573	34 686	3 457	283	105 638	133
1979	66 675	1 691	36 303	3 780	532	108 980	134
1980	68 508	1 598	33 705	3 383	532	107 727	182
1981	60 495	1 401	37 359	4 286	512	104 053	217
1982	48 729	1 332	32 717	3 492	117 ^b	86 387	482
1983	62 891	1 402	29 906	4 435	71 ^b	98 704	643
1984	60 655 ^r	2 271	33 155 ^r	6 284	84 ^b	102 449	516
1985	58 447	1 843	35 276	4 747	159 ^b	100 472 ^c	871
1986	60 107	1 803	35 743	5 368	160 ^b	103 181 ^c	1 138
B. Value (\$000 000)							
1970	542	23	501	42	10	1 118	2
1971	588	23	458	41	10	1 120	--
1972	700	27	491	37	10	1 265	1
1973	998	31	555	56	8	1 648	1
1974	978	42	719	72	12	1 823	3
1975	795	31	737	38	14	1 615	4
1976	1 182	34	789	58	14	2 078	14
1977	1 332	41	811	72	13	2 269	19
1978	1 577	42	891	74	14	2 597	7
1979	2 024	48	986	91	26	3 175	7
1980	2 179	50	991	84	25	3 329	11
1981	1 888	45	1 204	123	20	3 280	11
1982	1 645	41	1 100	110	6	2 902	20
1983	2 185	50	1 095	144	6	3 481	32
1984	2 142 ^r	70	1 220 ^r	194	7	3 634	28
1985	2 092	67	1 277	146	12	3 594 ^c	46
1986	2 231	64	1 313	164	12	3 784 ^c	56

^aFor additional information on the discrepancies between production and shipments figures, see Section X.C.

^bOther roundwood includes only poles and piling since 1982.

^cExcluding \$4 million of other roundwood in 1985 and \$7 million in 1986.

Source: Statistics Canada Cat. No. 25-201.

II - 5. REPORTED ROUNDWOOD PRODUCTION ON FEDERAL LANDS BY AGENCY AND CATEGORY, 1987-1988

Agency/ roundwood category	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon	N.W.T.	Total
													1 000 m ³
A. Yukon and N.W.T.	...	...	...	...	...	...	...	...	...	...	...	...	243.8
Logs and bolts	...	...	...	...	...	...	...	...	...	...	172.7	41.2	213.9
Pulpwood	...	...	...	...	...	...	...	...	...	...	67.1	25.6	92.7
Fuelwood	...	...	...	...	...	...	...	...	...	...	4.0	0.4	4.4
Other roundwood	...	...	...	...	...	...	...	...	...	...	...	...	...
B. Indian reserves	0.2	0.5	27.0	135.9	124.0	10.1	27.5	-	371.1	-	-	-	696.2
Logs and bolts	-	-	0.2	109.8	61.1	0.5	3.4	-	344.2	-	-	-	519.2
Pulpwood	-	-	0.5	26.8	24.9	27.7	-	2.0	21.9	-	-	-	103.7
Fuelwood	-	0.2	-	-	1.2	35.2	9.6	21.9	-	-	-	-	68.1
Other roundwood	-	-	-	-	-	0.1	0.1	-	5.0	-	-	-	5.2
C. National defence	-	-	86.2	1.9	80.7	-	-	-	31.9	-	-	-	200.8
Logs and bolts	-	-	-	14.7	1.6	58.9	-	-	31.9	-	-	-	107.0
Pulpwood	-	-	-	44.8	0.2	14.3	-	-	0.1	-	-	-	59.4
Fuelwood	-	-	-	10.7	0.1	7.5	-	-	-	-	-	-	18.3
Other roundwood	-	-	-	16.1	0.1	-	-	-	-	-	-	-	16.1
D. Forestry Canada	-	-	10.2	-	7.0	-	-	-	-	-	-	-	17.2
Logs and bolts	-	-	-	3.7	-	4.6	-	-	-	-	-	-	8.3
Pulpwood	-	-	-	3.5	-	1.1	-	-	-	-	-	-	4.5
Fuelwood	-	-	-	3.1	-	0.9	-	-	-	-	-	-	4.0
Other roundwood	-	-	-	-	-	0.4	-	-	-	-	-	-	0.4
E. Other	-	-	-	-	0.8	2.2	-	150.1	12.4	-	-	-	165.6
Logs and bolts	-	-	-	-	-	0.1	0.3	-	150.1	12.4	-	-	162.9
Pulpwood	-	-	-	-	-	0.3	1.9	-	-	-	-	-	2.2
Fuelwood	-	-	-	-	-	0.4	-	-	-	-	-	-	0.4
Other roundwood	-	-	-	-	-	-	-	-	-	-	-	-	-
F. Total	-	0.2	0.5	123.4	137.8	212.5	12.4	27.5	150.1	415.4	243.8	67.2	1 390.8
Logs and bolts	-	-	-	18.5	111.4	124.7	0.8	3.4	150.1	388.5	172.7	41.2	1 011.4
Pulpwood	-	-	0.5	75.0	25.1	43.4	1.9	2.0	-	21.9	-	-	169.9
Fuelwood	-	0.2	-	13.8	1.3	44.0	9.6	21.9	-	67.1	25.6	183.6	26.1
Other roundwood	-	-	-	16.1	0.1	0.4	0.1	0.1	-	5.0	4.0	0.4	-

Source: Special compilation, Forestry Canada.

II - 6. PULPWOOD PRODUCTION FOR DOMESTIC CONSUMPTION AND
RECEIPTS OF WOOD RESIDUES BY DOMESTIC MILLS, 1970-1988

Year	Pulpwood production for domestic consumption				Receipts of wood residues by domestic mills			
	Limit production ^a	Receipts			Veneer cores, slabs and edgings, sawdust, shavings, etc.			Total wood residues
		at mill of pulpwood pulpwood (except B.C.)	of pulpwood by mills in B.C. in B.C.)	Total	Imports of pulpwood (minus)	Pulpwood production for domestic consumption	Wood chips	
1 000 m ³								
1970	26 469	14 266	9 442	50 117	222	49 955	16 984	960
1971	22 590	12 714	9 554	44 858	262	44 596	19 232	1 249
1972	24 092	11 935	9 128	45 155	389	44 766	21 495	1 875
1973	30 933	12 102	9 332	52 367	304	52 063	24 636	2 911
1974	35 479	14 684	9 843	60 005	626	59 379	28 407	2 547
1975	29 137	11 292	6 334	47 063	492	46 571	21 608	1 882
1976	24 157	11 415	7 673	43 245	503	42 742	31 467	2 552
1977	27 201	11 107	6 489	44 797	613	44 184	31 180	2 410
1978	27 930	12 092	6 037	46 029	618	45 441	33 489	2 766
1979	31 012	12 691	5 854	49 557	824	48 732	36 352	2 923
1980	28 758	15 229	6 478	50 466	614	49 852	37 206	2 768
1981	29 784	16 811	6 620	53 215	527	52 688	35 357	2 762
1982	21 906	13 875	6 087	41 867	529	41 338	30 703	2 643
1983	23 397	14 263	6 058	43 718	560	43 158	36 251	3 476
1984	26 002	16 441	5 756	48 199	609	47 591	36 964	4 157
1985	24 449	15 417	5 278	45 145	526	44 619	41 026	4 154
1986	23 966	16 276	5 569	45 812	329	45 483	42 261	4 403
1987	..	..	..	45 539	..	..	51 443	4 988
1988	..	..	..	46 805	..	..	51 519	4 753
							56 272	..

^a Limit production means the volume produced from an owner's freehold lands or leased lands. Data on production of pulpwood as such are not available for British Columbia. The figures shown represent receipts of pulpwood.

Source: Statistics Canada Cat. No. 25-001.

Receipts of wood residues by domestic mills

II - 7. LUMBER PRODUCTION BY PROVINCE AND SPECIES GROUP, 1950-1988

Year	Species	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon and N.W.T.		Canada
												1 000 m ³	1 000 m ³	
1950	Softwoods	104	27	605	636	2 186	1 551	125	142	772	8 254	8	14 410	
	Hardwoods	3	1	58	69	479	384	13	14	9	25	-	1 055	
	Total	107	27	664	705	2 665	1 935	138	156	781	8 280	8	15 465	
1960	Softwoods	67	20	525	581	2 119	1 098	65	145	718	12 511	14	17 862	
	Hardwoods	1	--	23	75	514	386	16	14	8	7	-	1 045	
	Total	68	20	548	656	2 653	1 484	82	159	726	12 518	14	18 907	
1970	Softwoods	81	28	464	564	3 321	1 494	83	248	1 092	18 056	17	25 449	
	Hardwoods	-	--	12	96	464	508	40	-	8	12	-	1 139	
	Total	81	28	476	660	3 785	2 002	122	248	1 100	18 067	17	26 588	
1972	Softwoods	73	27	431	660	4 368	1 780	187	394	1 373	22 423	7	31 724	
	Hardwoods	1	--	12	76	607	499	50	-	22	9	1	1 276	
	Total	75	27	442	736	4 975	2 279	237	394	1 395	22 431	8	33 000	
1973	Softwoods	117	34	459	604	4 859	2 116	155	383	1 863	24 581	7	35 179	
	Hardwoods	2	-	12	98	703	555	30	11	38	15	-	1 465	
	Total	119	34	471	702	5 563	2 671	185	394	1 901	24 597	7	36 644	
1974	Softwoods	85	21	453	639	4 575	2 241	245	285	1 517	20 613	6	30 680	
	Hardwoods	2	7	15	77	701	590	29	4	4	15	-	1 444	
	Total	87	28	468	716	5 276	2 831	274	289	1 521	20 628	6	32 124	
1975	Softwoods	68	28	374	609	4 309	1 917	164	263	1 003	17 566	10	26 312	
	Hardwoods	1	-	13	71	479	396	29	-	-	3	-	993	
	Total	70	28	387	680	4 787	2 313	193	264	1 003	17 569	10	27 305	
1976	Softwoods	100	28	429	686	5 170	2 277	207	454	1 201	25 075	11	35 638	
	Hardwoods	2	-	14	83	562	497	20	7	-	-	-	1 184	
	Total	102	28	443	769	5 731	2 773	228	460	1 201	25 075	11	36 822	
1977	Softwoods	111	28	423	695	6 051	2 731	211	499	1 455	28 377	14	40 594	
	Hardwoods	2	-	12	61	442	459	22	15	22	1	-	1 038	
	Total	113	28	435	756	6 493	3 191	233	514	1 477	28 378	14	41 633	
1978	Softwoods	112	30	437	879	6 948	3 267	220	479	1 621	29 569	14	43 576	
	Hardwoods	1	8	11	56	624	561	30	9	2	-	-	1 311	
	Total	113	38	448	935	7 572	3 828	250	488	1 631	29 570	14	44 887	

II - 7. LUMBER PRODUCTION BY PROVINCE AND SPECIES GROUP, 1950-1988 (CONCLUDED)

Year	Species	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon and N.W.T.	Canada
1979	Softwoods	116	33	470	991	7 655	3 645	226	438	1 607	30 355	28	45 564
	Hardwoods	2	7	22	68	464	505	43	6	16	30 357	2	-
Total	118	40	492	1 059	8 119	4 150	270	444	1 622	30 357	28	-	1 136
1980	Softwoods	99	35	427	1 146	7 361	3 868	247	394	1 704	28 202	40	43 524
	Hardwoods	2	2	18	78	698	599	37	21	12	5	-	1 472
Total	101	38	444	1 224	8 059	4 468	284	415	1 716	28 207	40	-	44 995
1981	Softwoods	77	35	379	865	7 030	3 717	191	440	1 926	24 544	32	39 237
	Hardwoods	2	7	24	59	354	471	31	11	19	3	-	980
Total	79	42	403	924	7 384	4 181	222	452	1 945	24 547	32	-	40 217
1982	Softwoods	68	24	338	660	6 100	3 328	222	450	1 746	23 406	22	36 364
	Hardwoods	1	5	22	49	417	536	31	8	20	-	-	1 088
Total	70	28	361	708	6 517	3 864	252	458	1 767	23 406	22	-	37 452
1983	Softwoods	86	38	405	1 124	8 515	3 606	172	457	2 447	30 774	-	47 624
	Hardwoods	2	-	18	66	326	511	40	-	77	4	-	1 043
Total	88	38	423	1 190	8 841	4 117	212	457	2 524	30 778	-	-	48 666
1984	Softwoods	88	38	445	1 012	8 383	3 972	105	520	2 287	30 859	-	47 708
	Hardwoods	1	-	15	55	469	586	33	-	119	3	-	1 281
Total	89	38	460	1 066	8 852	4 559	138	520	2 405	30 862	-	-	48 989
1985	Softwoods	35	11	378	1 244	9 482	4 502	163	482	2 687	32 116	-	51 099
	Hardwoods	12	-	49	60	438	445	4	-	-	3	-	1 010
Total	47	11	426	1 304	9 920	4 946	167	482	2 687	32 119	-	-	52 109
1986	Softwoods	37	14	436	1 428	10 757	4 583	215	457	2 944	30 990	-	51 860
	Hardwoods	15	-	30	49	551	539	8	-	-	6	-	1 199
Total	52	14	466	1 477	11 309	5 121	223	457	2 944	30 996	-	-	53 059
1987 ^a	Softwoods	x	x	533	1 680	12 035	5 066	275	452	3 516	37 488	-	61 045
	Hardwoods	x	x	6	61	367	427	16	-	72	4	-	953
Total	x	x	539	1 741	12 401	5 493	292	452	3 587	37 492	-	-	61 998
1988 ^a	Softwoods	x	x	624	1 669	11 179	5 021	219	429	3 737	36 747	-	59 623
	Hardwoods	x	x	7	70	382	430	16	-	76	4	-	986
Total	x	x	631	1 739	11 561	5 451	235	429	3 813	36 750	-	-	60 610

^a1950-1986 data from the annual census of manufactures, 1987-1988 data from the monthly survey.

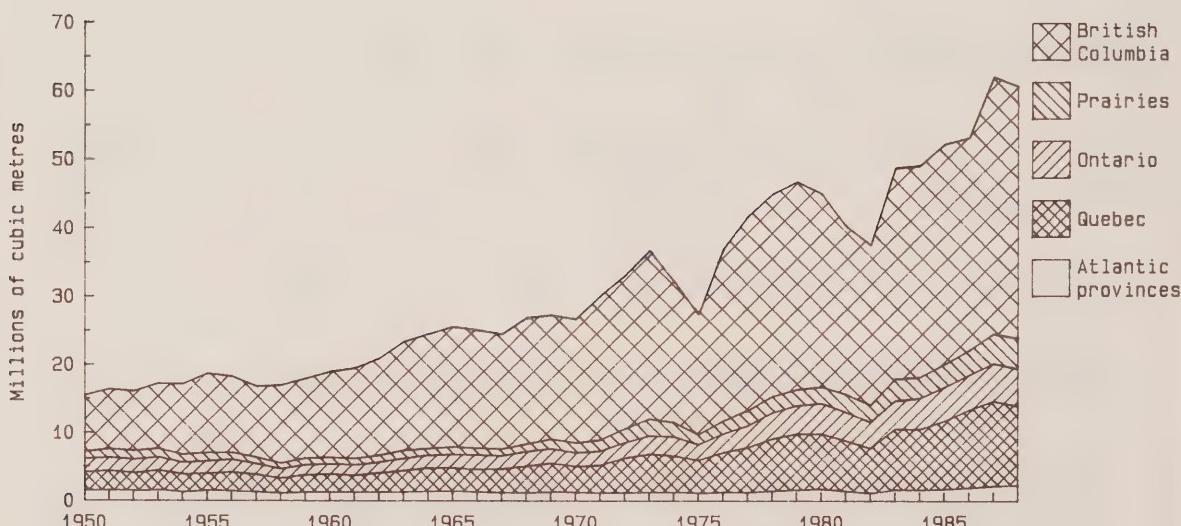
Source: Statistics Canada Cat. No. 35-204, 35-250, 35-003, and 35-002.

LUMBER

**Figure 8.** Lumber production in Canada, 1950-1988.

Source: Statistics Canada, Cat. No. 35-204,
35-250, 35-002 and 35-003.

LUMBER

**Figure 9.** Lumber production by region, 1950-1988.

Source: Statistics Canada, Cat. No. 35-204,
35-250, 35-002 and 35-003.

Year	Maple	Yellow birch	White birch	A. Quantity (1 000 m ³)				Other ^b	Oak	Ash	Beech	Basswood	Elm	Poplar, aspen, cottonwood				Total hardwoods	Total softwoods and hardwoods
				391	270	33	27							41	33	37	12	7	
1970				391	270	33	27								12	14	9	1 059	25 857
1971	403	283	23	46	33	33	33	-							210	14	9	1 021	29 810
1972	508	305	29	86	40	37	24	-							151	17	17	1 197	33 167
1973	519	315	45	148	32	47	31	12							189	21	12	1 359	34 691
1974	505	246	20	108	29	37	39	15							211	111	11	1 131	30 999
1975	364	219	9	39	18	24	16	9							93	12	9	1 803	25 917
1976	353	225	7	39	16	27	15	9							105	14	14	1 010	33 693
1977	325	208	20	41	7	25	14	10							111	18	18	1 779	39 014
1978	343	231	19	48	9	32	17	10							111	23	17	1 843	41 980
1979	407	197	26	65	9	32	19	13							132	13	13	1 939	42 948
1980	331	172	29	67	7	28	19	13							40	127	19	1 833	40 348
1981	307	159	21	54	6	30	13	9							9	37	106	1 742	39 180
1982	199	97	18	87	2	23	12	7							23	7	40	50	535
1983	211	149	24	162	1	21	13	6							13	6	39	43	668
1984	228	138	36	148	1	19	13	6							13	6	52	83	724
1985	422e	155	44e	227	x	23e	23e	51							26e	115e	51	1 099c	52 452e
1986	301	93	237	x	63	31	31	28							170	x	28	1 240e	52 692e
B. Value (\$000 000)																			
1970																			925
1971	23	15	1	2	2	2	2	1							1	1	1	1	56
1972	26	16	1	2	2	3	3	1							1	1	7	57	1 159
1973	43	26	3	7	2	3	2	1							8	1	8	81	1 632
1974	43	22	1	5	2	3	3	1							2	1	2	11	1 227
1975	29	19	2	1	2	1	2	1							9	1	1	9	92
1976	30	21	1	2	1	1	1	1							8	1	1	8	65
1977	30	20	2	3	1	3	1	1							9	2	1	8	69
1978	36	25	2	3	1	4	1	1							9	2	1	9	71
1979	51	26	3	6	1	4	1	2							10	3	10	87	3 863
1980	43	24	4	6	1	4	2	2							6	2	2	6	117
1981	42	22	3	5	1	4	1	1							9	2	9	15	4 667
1982	26	14	2	9	1	4	1	1							8	1	8	110	4 005
1983	32	25	3	14	4	4	1	1							8	1	8	102	3 623
1984	36	24	5	17	--	3	2	1							6	1	1	72	3 104
1985	73e	28	7	28	x	6e	2	1							5	1	1	10	4 598
1986	53	45	13	29	x	9	5	4							6	5	5	115	4 736
																		5	5484e
																		6	223e

^aAs reported by sawmills and planing mills.^bIncluding red alder in some cases.^cIncluding elm and basswood (or approximately 36 000 m³).^dIncluding elm (or approximately \$1 000 000).

Source: Statistics Canada Cat. No. 35-204 and 35-250.

II - 9. SHIPMENTS OF SOFTWOOD LUMBER^a BY SPECIES GROUP, 1970-1986

Year	Spruce	Hemlock	Douglas-fir	Cedar	A. Quantity (1 000 m ³)			B. Value (\$000 000)			Total softwoods and hardwoods
					Jack and Lodgepole pines	White pine	Ponderosa red pine	Balsam fir	Yellow cypress	Other	
1970	10 482	4 687	3 943	1 957	1 774	96	481	45	841	24 799	25 857
1971	12 978	5 468	4 092	2 318	2 185	568	53	517	19	591	28 789
1972	15 758	5 551	4 034	2 331	2 571	624	68	562	55	416	31 970
1973	16 518	6 072	3 707	2 376	3 028	620	83	416	94	417	33 331
1974	15 520	5 135	3 107	2 131	2 761	553	124	315	76	147	29 869
1975	13 701	3 549	2 510	1 945	2 409	423	77	263	114	122	30 999
1976	17 370	5 625	3 214	2 592	2 991	504	101	204	142	142	25 113
1977	20 700	6 870	3 187	2 535	3 737	541	82	304	92	187	32 885
1978	21 857	7 093	3 281	2 709	4 818	688	99	337	148	107	33 693
1979	22 812	6 371	3 371	2 564	5 168	642	86	581	119	131	39 014
1980	21 654	6 034	2 912	2 594	4 743	570	96	635	104	164	41 980
1981	21 581	5 091	2 580	2 722	4 759	572	129	779	142	83	40 348
1982	19 739	4 402	2 237	2 470	3 916	535	283	772	140	67	39 180
1983	26 377	5 360	2 696	2 976	4 485	631	79	973	181	345	35 098
1984	31 058	5 370	2 807	3 078	2 185	649	149	560	166	56	44 772
1985	35 753	5 587	2 753	3 333 ^b	2 073	823e	164e	650	217	..	46 802
1986	36 114	5 511	2 408	2 960	2 398	729	240	762	247	51 452e	52 452e
										83e	52 692e
1970	333	168	146	92	26	4	17	3	27	870	925
1971	463	206	173	110	30	3	19	2	19	1 102	1 159
1972	735	259	205	142	120	38	4	26	-	1 551	1 632
1973	985	402	247	207	168	49	6	27	15	21	2 127
1974	823	335	203	191	134	48	8	20	15	8	2 227
1975	694	216	150	158	115	36	5	16	9	9	1 878
1976	1 007	385	219	272	162	45	9	13	13	16	1 408
1977	1 381	552	263	332	243	54	7	23	18	16	1 473
1978	1 810	663	319	436	394	81	10	30	24	9	2 889
1979	2 123	777	437	542	468	93	11	55	32	12	2 960
1980	1 831	742	322	420	383	83	11	58	28	16	3 776
1981	1 749	532	264	412	359	84	15	67	31	8	3 863
1982	1 475	478	207	388	281	77	26	71	25	6	4 504
1983	2 360	628	270	577	401	96	11	89	38	34	4 598
1984	2 735	589	286	588	199	109	20	55	34	5	4 667
1985	3 228	655	306	616	141	23e	62	50	50	5	4 620
1986	3 550	752	285	605	249	35	74	87	..	5 287e	5 287e
									33	5 796	6 019e

^aAs reported by sawmills and planing mills.

^bIncluding shingles and shakes.

Source: Statistics Canada Cat. No. 35-204 and 35-250.

II - 10. SHIPMENTS OF SOFTWOOD LUMBER^a BY PROVINCE, 1970-1984

Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
A. Quantity (1 000 m³)											
1970	46 ^a	398	594	3 089	1 244	61 ^a	222 ^a	1 149 ^a	18 009	24 799	
1971	36 ^a	384	652	3 852	1 445	116 ^a	309 ^a	1 290 ^a	20 693	28 789	
1972	55 ^a	384	718	4 563	1 558	153 ^a	387 ^a	1 444 ^a	22 770	31 970	
1973	45 ^a	368	628	4 936	1 836	148 ^a	456 ^a	1 455 ^a	23 514	33 331	
1974	x	-	304	593	4 516	1 794	227 ^a	321 ^a	1 199 ^a	20 920	29 869
1975	17	-	289	592	4 333	1 502	146 ^a	354 ^a	1 017 ^a	16 874	25 113
1976	9	-	281	686	5 111	1 665	155 ^a	347 ^a	1 207 ^a	23 437	32 885
1977	5	-	300	683	6 208	2 062	175 ^a	469 ^a	1 435 ^a	26 920 ^a	38 235
1978	x	-	334	825	7 088	2 464	191 ^a	472 ^a	1 466 ^a	28 301 ^a	41 137
1979	21	x	323	978	7 315	2 869	210	450 ^a	1 547 ^a	28 283 ^a	42 009
1980	12	x	260	928	7 013	2 833	198 ^a	344 ^a	1 519	26 399 ^a	39 515
1981	-	x	253	888	6 947	3 058	215 ^a	423 ^a	1 783	24 867 ^a	38 438
1982	x	x	229	584	5 956	2 584	164 ^a	387 ^a	1 701	22 954 ^a	34 563
1983	x	x	258	887	7 705	3 141	153 ^a	442	2 348	29 167	44 104
1984	x	x	273	968	8 117	3 553	135 ^a	481	2 683	29 859	46 078
B. Value (\$000 000)											
1970	2 ^a	-	16	23	107	48	2 ^a	7 ^a	34 ^a	632	870
1971	2 ^a	--	16	27	138	59	4 ^a	12 ^a	43 ^a	801	1 102
1972	2 ^a	--	19	35	209	80	7 ^a	19 ^a	66 ^a	1 115	1 551
1973	3 ^a	--	24	44	276	121	9	24 ^a	84 ^a	1 545	2 127
1974	x	-	22	41	250	111	12	15 ^a	57 ^a	1 277	1 785
1975	1	-	22	39	232	91	10 ^a	17 ^a	49 ^a	949	1 408
1976	1	-	23	46	302	110	10 ^a	19 ^a	68 ^a	1 556	2 134
1977	1	-	26	49	397	155	12 ^a	33 ^a	95 ^a	2 121 ^a	2 889
1978	x	-	32	69	543	232	16 ^a	39 ^a	121 ^a	2 724 ^a	3 776
1979	2	x	36	93	645	287	22	39 ^a	136 ^a	3 289 ^a	4 551
1980	1	x	32	92	589	263	17	26 ^a	112	2 762 ^a	3 894
1981	-	x	31	84	571	289	18 ^a	32 ^a	131	2 364 ^a	3 521
1982	x	x	27	53	470	240	14 ^a	27 ^a	113	2 089 ^a	3 034
1983	x	x	34	88	702	329	16 ^a	40	201	3 092	4 504
1984	x	x	39	95	778	373	15 ^a	42	221	3 057	4 620

Where softwood lumber figures are not available, the total figure for softwood and hardwood is indicated.

Source: Statistics Canada Cat. No. 35-204.

**II - 11. SHIPMENTS OF LUMBER FROM PROVINCE OF ORIGIN
TO POINT OF DESTINATION,^a 1982-1988**

Point of destination/ year	Province of origin					
	Quebec	Ontario	Alberta	British Columbia	Other provinces	Canada
1 000 m ³						
A. Canada						
1982	3 228	1 541	1 011	6 645	847	13 272
1983	4 277	1 977	955	8 103	1 052	16 364
1984	4 726	1 994	2 731	8 837	1 048	19 336
1985	5 255	2 218	2 779	10 149	1 244	21 645
1986	5 786	2 356	2 985	9 600	1 346	22 073
1987	6 122	3 015	2 289	11 192	1 359	23 977
1988	5 525	x	2 933	10 388	4 506 ^b	23 352
B. United States						
1982	2 123	x	763	12 149	1 677 ^b	16 712
1983	2 720	x	1 034	16 781	2 108 ^b	22 643
1984	3 008	1 852	22	17 381	639 ^b	22 902
1985	3 149	x	257	18 486	2 795 ^b	24 687
1986	3 225	x	171	17 370	2 685 ^b	23 451
1987	x	x	1 298	19 979	5 178 ^c	26 455
1988	2 910	x	880	19 112	1 868 ^b	24 770
C. Other countries						
1982	417	x	-	4 377	231 ^b	5 025
1983	345	x	-	4 354	139 ^b	4 838
1984	338	22	-	4 040	161	4 561
1985	116	x	-	3 810	78 ^b	4 004
1986	176	x	-	3 822	155 ^b	4 153
1987	x	x	-	5 739	442 ^c	6 181
1988	x	x	-	6 142	712 ^c	6 854
D. Estimated shipments and adjustments^d						
1982	1 052	1 064	-	1 152	258	3 526
1983	1 168	739	-	970	407	3 284
1984	745	1 044	-	607	491	2 887
1985	1 284	1 028	-	777	623	3 712
1986	1 402	938	-	675	373	3 388
1987	2 268	960	-	679	595	4 502
1988	2 511	912	-	979	869	5 271
E. Total shipments^e						
1982	6 821	3 945 ^b	1 774	24 323	1 672	38 535
1983	8 510	4 303 ^b	1 989	30 208	2 119	47 129
1984	8 817	4 913	2 753	30 864	2 339	49 686
1985	10 603	5 417	2 882	33 221	2 669	54 792
1986	11 207	6 012	3 189	31 467	2 914	54 789
1987	11 719	5 856	3 587	37 592	3 026	61 780
1988	10 861	5 906	3 812	36 623	3 031	60 233

^aCensus of manufactures monthly survey.

^bIncluding confidential figures for Ontario.

^cIncluding confidential figures for Ontario and Quebec.

^dSawmills in Nova Scotia producing less than 2 360 m³, sawmills in New Brunswick, Quebec, Ontario, and Manitoba producing less than 4 720 m³ per year, and sawmills in British Columbia producing less than 7 080 m³ per year are excluded from this survey. In Saskatchewan, only the Saskatchewan Timber Board and the few relatively large independent mills are asked to report; Alberta data are produced by Alberta. All other mills are estimated. The total shipments are free of duplication.

^eBenchmark revisions as of May 1989 for the years 1985-1988.

II - 12. WOOD PULP PRODUCTION BY CATEGORY, 1950-1988^a

Year	Dissolving and special alpha-, sulphite, and sulphate, Bleached	Chemical			Mechanical			Screenings chemical and mechanical			Pulp other than Wood pulp	
		Sulphite		Sulphate	Bleached	Semi-bleached	Unbleached	Semi- chemical	Groundwood	Defibrated and exploded	..	..
		Bleached	Unbleached	Bleached	Semi-bleached	Unbleached	1 000 t	1 000 t	1 000 t	1 000 t	1 000 t	1 000 t
1950	305	386	1 315	408	b	548	..	4 455	..	96	174	7 688
1960	356	519	1 559	1 062	257	895	..	5 335	143	66	205	10 398
1970	411	683	1 871	3 660	1 084	1 341	296	6 940	259	64	-	16 610
1971	388	587	1 706	3 853	1 150	1 467	301	6 718	307	65	-	16 543
1972	370	526	1 711	4 391	1 127	1 639	337	6 967	330	55	-	17 453
1973	293	507	1 750	5 049	1 097	1 922	349	7 196	345	55	-	18 564
1974	333	734	1 865	5 049	1 097	1 942	328	7 589	320	62	-	19 679
1975	226	516	1 443	4 219	863	1 314	233	6 007	263	28	-	15 113
1976	222	609	1 648	5 265	1 037	1 560	269	7 036	259	41	-	17 946
1977	230	636	1 621	5 300	1 039	1 574	263	7 226	243	34	-	18 168
1978	341	516	1 787	5 871	1 054	1 942	318	7 910	369	44	-	20 152
1979	311	478	1 806	6 282	1 058	2 061	354	7 956	397	45	-	20 728
1980	313	405	1 763	6 754	1 182	1 689	333	7 521	..	25	-	19 985
1981	274	430	1 819	6 261	1 057	1 497	322	7 647	..	19	-	19 326
1982	220	280	1 446	5 915	916	1 235	255	6 879	..	18	-	17 164
1983	216	304	1 353	6 743	1 019	1 486	306	7 934	..	15	-	19 376
1984	221	366	1 405	6 782	1 065	1 469	331	8 690	..	17	-	20 346
1985	222	329	1 269	7 047	1 170	1 383	258	8 722	..	17	-	20 417
1986	223	428	1 248	7 623	1 188	1 410	321	9 252	..	19	-	21 712
1987	241	454	1 296	8 211	1 169	1 474	353	9 820	..	17	-	23 035
1988 ^c	..	..	..	..	..	..	..	..	..	..	..	23 367

^a Figures for the period 1980-1987 were revised in 1988.

^b Included with sulphate-bleached wood pulp.

^c Canadian Pulp and Paper Association monthly survey.

Source: Statistics Canada Cat. No. 36-204, 36-250. 1950-1979. Canadian Pulp and Paper Association Reference Tables 1988 and Special Monthly Compilation. 1980-1988.

II - 13. WOOD PULP PRODUCTION BY REGION, 1950-1988

Year	Quebec	Ontario	British Columbia	Other provinces	Canada
1 000 t					
1950	3 559	2 085	705	1 339	7 688
1960	4 055	2 692	1 927	1 725	10 398
1970	5 898	3 601	4 100	3 011	16 610
1971	5 666	3 447	4 409	3 020	16 543
1972	5 893	3 572	4 576	3 412	17 453
1973	5 591	3 669	5 337	3 966	18 564
1974	6 353	3 877	5 267	4 182	19 679
1975	5 198	2 540	3 998	3 376	15 113
1976	5 882	3 060	5 320	3 685	17 946
1977	5 860	3 662	4 831	3 815	18 168
1978	6 632	4 127	5 426	3 968	20 152
1979	6 869	4 322	5 523	4 014	20 728
1980	6 109	4 101	5 727	4 048	19 985
1981	6 458	4 095	4 830	3 943	19 326
1982	5 759	3 453	4 814	3 138	17 164
1983	6 277	3 862	5 699	3 538	19 376
1984	6 538	4 243	5 367	4 198	20 346
1985	6 331	4 097	6 024	3 965	20 417
1986	6 854	4 258	6 345	4 255	21 712
1987	7 208	4 372	7 035	4 420	23 035
1988 ^a	7 491	4 447	7 001	4 428	23 367

^aCanadian Pulp and Paper Association, monthly survey.

Note: Approximately 76% of the wood pulp is used in production of paper and board in Canada.

Source: Statistics Canada Cat. No. 36-204. 1950-1979. Canadian Pulp and Paper Association Reference Tables 1988 and Special Monthly Compilation. 1980-1988.

WOOD PULP

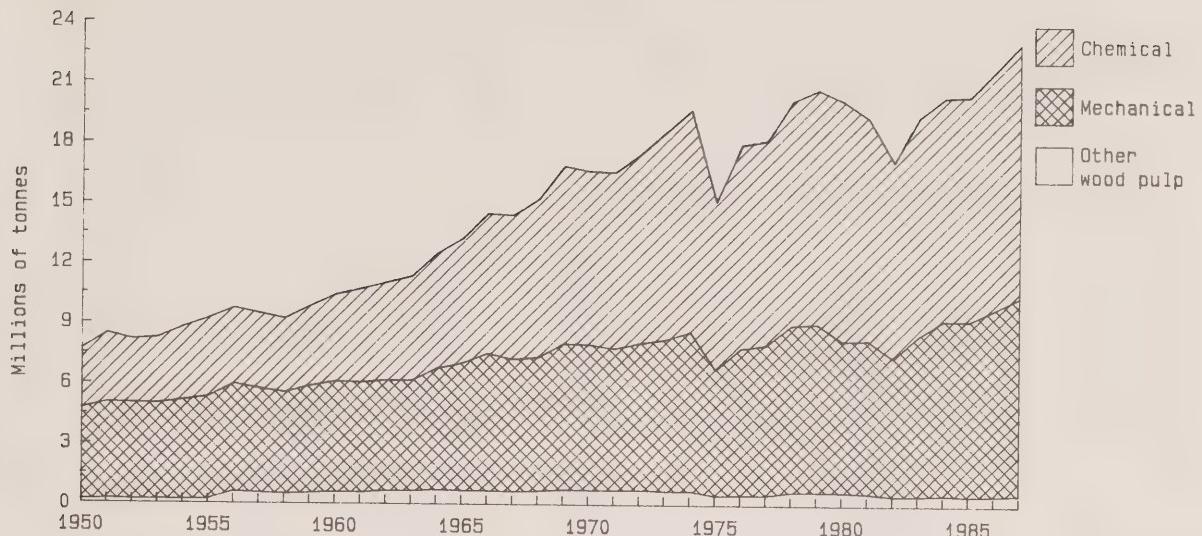


Figure 10. Wood pulp production in Canada, 1950-1987.

Source: Statistics Canada, Cat. No. 36-204 and Canadian Pulp and Paper Association.

WOOD PULP

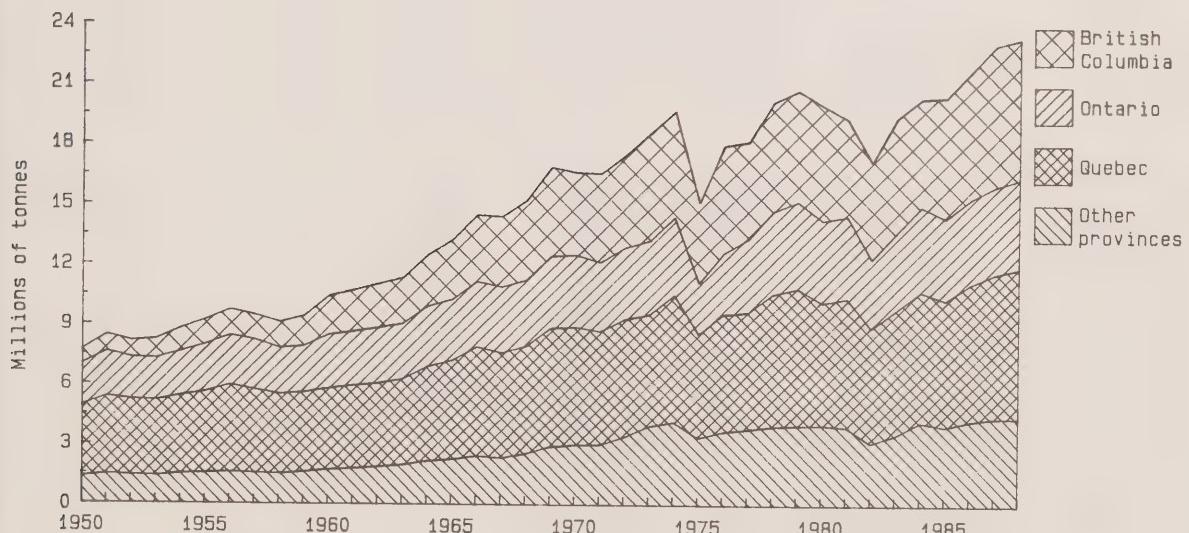


Figure 11. Wood pulp production by region, 1950-1988.

Source: Statistics Canada, Cat. No. 36-204 and Canadian Pulp and Paper Association.

II - 14. SHIPMENTS OF WOOD PULP BY CATEGORY, 1960-1988

Year	Dissolving and special alpha	Chemical							Mechanical	Total		
		Sulphite			Sulphate							
		Bleached	Unbleached	Bleached	Semibleached	Unbleached						
A. Quantity (1 000 t)												
1960	347	416	226	996	151	347	314		2 798			
1970	394	555	238	3 437	706	413	304		6 046			
1971	394	460	173	3 418	428	707	243		5 823			
1972	369	460	163	4 248	716	481	260		6 698			
1973	296	460	208	4 760	696	494	287		7 200			
1974	330	679	206	5 013	685	401	288		7 603			
1975	210	462	105	3 853	467	329	224		5 650			
1976	214	559	132	4 757	552	288	266		6 769			
1977	228	596	107	4 879	663	305	288		7 066			
1978	324	492	120	5 764	704	293	323		8 021			
1979	324	441	133	5 890	645	292	364		8 089			
1980	272	400	133	6 132	671	233	325		8 165			
1981	266	406	115	5 874	604	245	327		7 836			
1982	220	370	82	5 403	513	186	280		7 012			
1983	x	353	x ^a	6 377	591	198	477		8 299 ^b			
1984	x	331	x ^a	6 397	540	165	653		8 281 ^b			
1985	x	422	x ^a	6 785	630	x	583		8 696 ^b			
1986	x	475	x ^a	7 462	619	x	682		9 510 ^b			
1987	..	..	..	..	..	..	..		10 027	
1988 ^c	..	..	..	..	..	..	..		9 862	
B. Value (\$000 000)												
1960	59	61	27	145	17	33	26		369			
1970	77	86	32	544	102	52	21		913			
1971	77	72	24	532	53	105	16		878			
1972	73	69	21	636	102	58	18		976			
1973	62	90	38	878	128	82	24		1 301			
1974	110	212	64	1 463	198	108	51		2 205			
1975	87	161	31	1 392	168	101	43		1 983			
1976	85	181	35	1 625	196	85	48		2 255			
1977	95	190	29	1 595	231	81	50		2 271			
1978	137	154	33	1 785	218	78	57		2 462			
1979	158	182	47	2 445	268	103	85		3 288			
1980	166	201	56	3 176	349	103	89		4 141			
1981	170	206	50	3 057	319	117	86		4 005			
1982	144	143	33	2 651	253	86	74		3 384			
1983	x	164	x ^a	2 775	254	72	128		3 519			
1984	x	156	x ^a	3 410	289	79	201		4 309			
1985	x	198	x ^a	3 090	279	x	184		3 964			
1986	x	255	x ^a	3 747	318	x	237		4 786			

^aUnbleached included with bleached.^bCanadian Pulp and Paper Association.^cCanadian Pulp and Paper Association monthly survey.Source: Statistics Canada Cat. No. 36-204, 36-250 and Canadian Pulp and Paper Association Reference Tables 1988 and Special Compilation.

**II - 15. SHIPMENTS OF WOOD PULP FROM PROVINCE OF ORIGIN
TO POINT OF DESTINATION, 1980-1988**

Point of destination/ year	Province of origin				
	Quebec	Ontario	British Columbia	Other provinces	Canada
1 000 t					
A. Canada					
1980	543	341	132	173	1 189
1981	543	372	119	164	1 198
1982	540	330	125	137	1 132
1983	649	404	152	153	1 358
1984	525	439	189	252	1 405
1985	514	492	256	239	1 501
1986	602	488	272	275	1 637
1987	641	459	273	401	1 773
1988	602	430	302	371	1 705
B. United States					
1980	442	948	813	1 230	3 433
1981	460	910	698	1 216	3 284
1982	348	762	672	1 074	2 856
1983	388	951	835	1 115	3 289
1984	416	1 023	764	1 224	3 427
1985	383	921	879	1 227	3 410
1986	428	964	879	1 254	3 525
1987	427	1 006	896	1 253	3 582
1988	427	1 049	947	1 264	3 686
C. Other countries					
1980	238	115	2 689	729	3 771
1981	227	135	2 296	698	3 356
1982	190	92	2 140	550	2 972
1983	190	100	2 550	668	3 508
1984	180	86	2 193	814	3 273
1985	186	117	2 592	705	3 600
1986	284	156	2 849	860	4 149
1987	309	161	3 272	739	4 481
1988	334	155	3 251	732	4 471
D. Total shipments					
1980	1 222	1 405	3 635	2 132	8 393
1981	1 230	1 417	3 113	2 078	7 838
1982	1 078	1 184	2 937	1 761	6 960
1983	1 227	1 455	3 537	1 936	8 155
1984	1 121	1 548	3 146	2 290	8 105
1985	1 083	1 530	3 727	2 171	8 511
1986	1 314	1 608	4 000	2 389	9 311
1987	1 376	1 626	4 441	2 394	9 837
1988	1 363	1 634	4 499	2 366	9 862

Source: Canadian Pulp and Paper Association monthly survey, Special Compilation.

II - 16. BASIC PAPER AND PAPERBOARD PRODUCTION BY CATEGORY, 1950-1988

Year	Newsprint	Tissue			Building paper	Paper-board	Total
		Book and writing	Sanitary	other than sanitary			
1950	4 825	194	59	11	202	83	796
1960	6 068	366	113	22	292	75	1 159
1970	7 996	821	199	19	438	101	1 678
1971	7 733	844	244	18	490	133	1 698
1972	8 079	881	262	21	542	156	1 941
1973	8 357	892	271	22	610	149	2 282
1974	8 710	1 056	302	25	643	143	2 338
1975	7 010	679	241	17	431	146	1 542
1976	8 063	842	288	16	526	149	1 908
1977	8 066	1 116	292	19	556	143	1 944
1978	8 739	1 377	314	17	628	129	1 2 136
1979	8 642	1 606	343	19	617	125	2 290
1980	8 625	1 509	377	..	533	..	2 344
1981	8 946	1 432	388	..	490	..	2 347
1982	8 109	1 475	375	..	454	..	1 982
1983	8 486	1 723	385	..	472	..	2 286
1984	9 013	1 943	399	..	430	..	2 440
1985	8 988	2 143	447 ^a	..	487	..	2 374
1986	9 288	2 400	459 ^a	..	541	..	2 573
1987	9 673	2 656	456 ^a	..	567	..	2 695
1988 ^b	9 969	..	..	..	..	..	16 640

a Including tissue, other than sanitary.

b Canadian Pulp and Paper Association monthly survey.

Source: Statistics Canada Cat. No. 25-202, 36-204. 1950-1979. Canadian Pulp and Paper Association Reference Tables 1980-1988 and Special Monthly Compilation.

PAPER AND PAPERBOARD

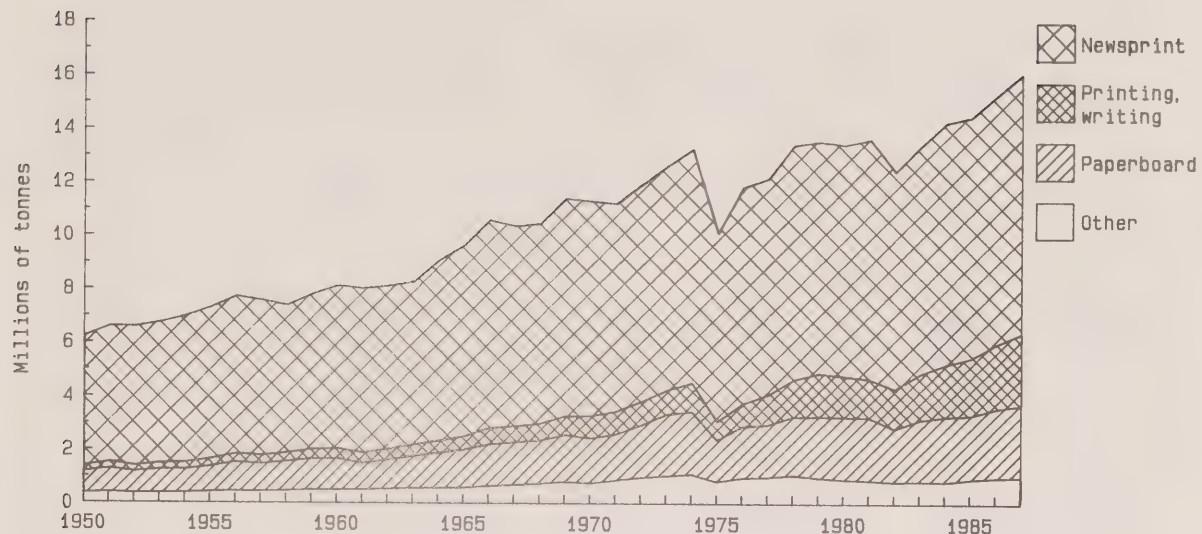


Figure 12. Basic paper and paperboard production in Canada, 1950-1987.

Source: Statistics Canada, Cat. No. 36-204 and Canadian Pulp and Paper Association.

PAPER AND PAPERBOARD

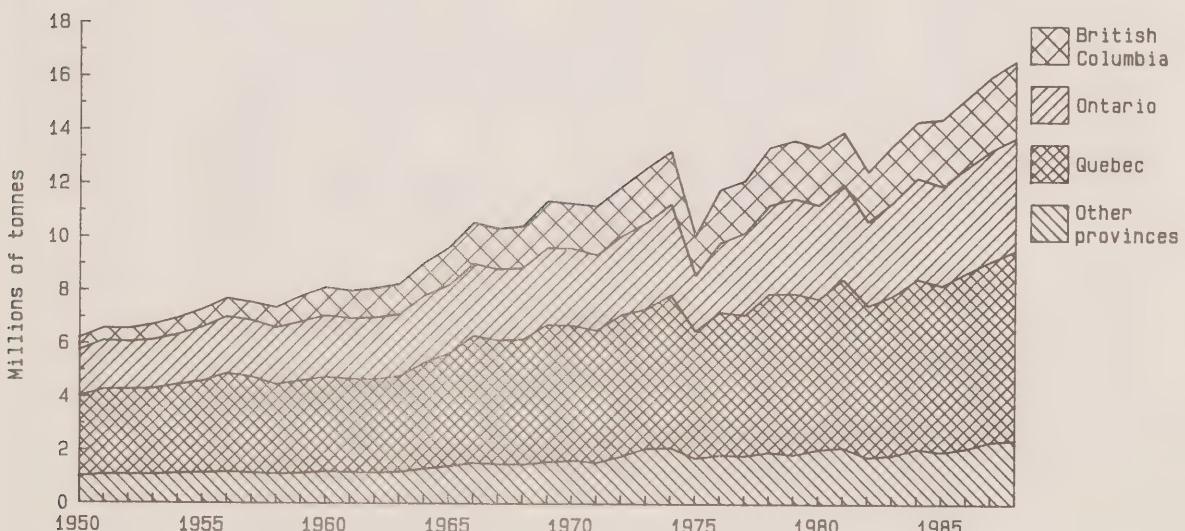


Figure 13. Basic paper and paperboard production by region, 1950-1988.

Source: Statistics Canada, Cat. No. 36-204 and Canadian Pulp and Paper Association.

II - 17. BASIC PAPER AND PAPERBOARD PRODUCTION BY CATEGORY AND REGION, 1950-1988

Year	Quebec		Ontario			British Columbia		Other provinces		Canada	
	Newsprint	Other paper and paperboard	Other paper and paperboard			Total paper and paperboard	1 000 t	Total paper and paperboard	Newsprint	Other paper and paperboard	Total
			Total	Newsprint	Other paper and paperboard						
1950	2 510	499	3 009	1 125	602	1 727	452	993	4 826	1 355	6 180
1960	2 863	680	3 543	1 459	855	2 313	1 043	1 195	6 068	2 027	8 095
1970	3 766	1 298	5 064	1 686	1 198	2 883	1 675	1 631	7 996	3 256	11 252
1971	3 609	1 348	4 957	1 609	1 220	2 830	1 826	1 545	7 733	3 428	11 161
1972	3 793	1 529	5 322	1 625	1 310	2 935	1 834	1 791	8 079	3 803	11 882
1973	3 671	1 559	5 230	1 769	1 464	3 233	2 029	2 093	8 357	4 226	12 583
1974	4 079	1 657	5 736	1 778	1 626	3 404	1 952	2 128	8 710	4 508	13 19
1975	3 529	1 236	4 765	1 140	959	2 099	1 477	1 725	7 010	3 056	10 066
1976	3 931	1 447	5 378	1 411	1 181	2 592	1 977	1 844	8 063	3 728	11 791
1977	3 726	1 560	5 286	1 610	1 476	3 086	1 952	1 813	8 066	4 070	12 136
1978	4 124	1 830	5 954	1 663	1 654	3 317	2 137	1 967	8 739	4 637	13 376
1979	4 075	1 996	6 071	1 743	1 810	3 553	2 154	1 863	8 642	4 999	13 641
1980	3 800	1 853	5 653	1 734	1 788	3 522	2 147	2 063	8 368	5 017	13 385
1981	4 452	1 880	6 332	1 742	1 820	3 562	1 926	2 136	8 933	5 023	13 956
1982	3 910	1 792	5 702	1 416	1 737	3 153	1 858	1 764	7 785	4 688	12 473
1983	4 156	1 839	5 995	1 576	1 924	3 500	2 126	1 845	8 461	5 005	13 466
1984	4 200	2 192	6 392	1 812	1 966	3 778	2 099	2 090	8 950	5 409	14 359
1985 ^a	4 118	2 132	6 250	1 722	2 017	3 739	2 486	1 971	8 988	5 458	14 446
1986 ^a	4 285	2 323	6 608	1 773	2 150	3 923	2 601	2 112	9 274	5 970	15 244
1987 ^a	4 487	2 306	6 793	1 840	2 295	4 135	2 753	2 369	9 673	6 378	16 051
1988 ^a	4 647	2 466	7 113	1 881	2 333	4 214	2 878	2 435	9 969	6 672	16 641

^aCanadian Pulp and Paper Association monthly survey.

Source: Statistics Canada Cat. No. 25-202, 36-204 and Canadian Pulp and Paper Association Reference Tables 1988 and Special Compilation.

II - 18. SHIPMENTS OF BASIC PAPER AND PAPERBOARD BY CATEGORY, 1960-1988

Year	Newsprint	Book and writing paper		Tissue other than sanitary		Building paper		Paperboard	Total
		Sanitary		Wrapping		paper			
A. Quantity (1 000 t)									
1960	6 146	363	37	13	273	75	877	7 785	
1970	7 951	798	93	14	439	98	1 600	10 994	
1971	7 639	822	86	15	492	132	1 646	10 831	
1972	8 130	863	102	16	537	155	1 853	11 655	
1973	8 373	891	105	18	616	147	2 062	12 214	
1974	8 761	1 032	116	20	636	145	2 142	12 853	
1975	7 046	680	87	12	422	141	1 504	9 892	
1976	7 953	818	98	12	518	152	1 791	11 341	
1977	8 111	1 085	108	15	546	140	1 874	11 880	
1978	8 773	1 352	116	16	637	129	2 145	13 167	
1979	8 667	1 573	137	17	606	125	2 208	13 333	
1980	8 419	1 617	133	16	538	151	2 267	13 140	
1981	8 836	1 582	138	16	516	125	2 305	13 519	
1982	7 740	1 684	129	15	448	120	1 926	12 062	
1983	8 440	1 712	122	17	464	120	2 169	13 044	
1984	8 992	1 974	163	..	467 ^a	122	2 348	14 066	
1985 ^b	8 996	2 121	455 ^c	..	475	..	2 398	14 445	
1986 ^b	9 302	2 395	467 ^c	..	549	..	2 599	15 312	
1987 ^b	9 761	2 652	472 ^c	..	562	..	2 695	16 142	
1988 ^d	9 867	..	..	..	..	..	..	16 489	
B. Value (\$000 000)									
1960	793	106	9	5	66	8	140	1 128	
1970	1 107	238	26	7	102	9	269	1 757	
1971	1 083	242	26	7	115	10	268	1 752	
1972	1 177	262	30	8	124	12	313	1 925	
1973	1 339	321	32	10	158	13	378	2 252	
1974	1 855	496	51	15	242	17	550	3 226	
1975	1 847	346	47	10	180	19	412	2 861	
1976	2 180	404	62	10	204	21	503	3 383	
1977	2 570	559	70	12	210	23	519	3 965	
1978	3 004	729	75	13	270	24	615	4 730	
1979	3 336	974	89	16	316	26	734	5 491	
1980	3 723	1 133	111	17	327	38	856	6 205	
1981	4 386	1 205	133	19	327	36	959	7 065	
1982	4 057	1 337	138	19	305	33	850	6 740	
1983	4 156	1 364	119	21	306	31	966	6 962	
1984	4 821	1 711	134	..	340 ^a	33	1 156	8 194	
1985	4 958	x	x	x	370	x	x	--	
1986	5 205	2 422	x	x	426	x	1 283	--	

^aTissue paper, other than sanitary, included with wrapping.^bCanadian Pulp and Paper Association.^cIncluding tissue other than sanitary.^dCanadian Pulp and Paper Association monthly survey.

Source: Statistics Canada Cat. No. 36-204, 36-250 and Canadian Pulp and Paper Association Reference Tables 1988 and Special Compilation.

**II - 19. SHIPMENTS OF NEWSPRINT FROM PROVINCE OF ORIGIN
TO POINT OF DESTINATION, 1980-1988**

Point of destination/ year	Province of origin				
	Quebec	Ontario	British Columbia	Other provinces	Canada
1 000 t					
A. Canada					
1980	523	161	189	108	980
1981	571	192	178	105	1 046
1982	521	141	189	83	934
1983	531	158	174	107	970
1984	608	169	143	150	1 070
1985	580	181	169	102	1 032
1986	615	208	188	110	1 121
1987	682	213	177	111	1 183
1988	708	221	194	105	1 227
B. United States					
1980	2 793	1 589	909	826	6 118
1981	2 991	1 570	780	717	6 058
1982	2 900	1 325	788	582	5 595
1983	3 051	1 470	932	580	6 033
1984	3 212	1 638	892	843	6 585
1985	3 182	1 564	1 005	923	6 674
1986	3 237	1 553	1 024	920	6 734
1987	3 396	1 631	1 078	982	7 087
1988	3 424	1 658	1 068	936	7 087
C. Other countries					
1980	585	9	225	705	1 524
1981	718	10	206	875	1 809
1982	615	16	188	706	1 525
1983	493	1	209	734	1 437
1984	420	-	224	719	1 363
1985	335	-	290	665	1 290
1986	439	6	292	709	1 446
1987	454	--	342	691	1 487
1988	467	-	359	728	1 554
D. Total shipments					
1980	3 900	1 759	1 323	1 639	8 622
1981	4 280	1 772	1 164	1 697	8 913
1982	4 036	1 482	1 165	1 371	8 054
1983	4 075	1 629	1 315	1 421	8 440
1984	4 240	1 807	1 259	1 712	9 018
1985	4 097	1 745	1 464	1 690	8 996
1986	4 291	1 767	1 504	1 739	9 301
1987	4 532	1 844	1 598	1 784	9 757
1988	4 598	1 879	1 621	1 769	9 867

Source: Canadian Pulp and Paper Association monthly survey, Special Compilation.

**II - 20. SHIPMENTS OF OTHER PAPER AND PAPERBOARD FROM PROVINCE OF ORIGIN
TO POINT OF DESTINATION, 1980-1988**

Point of destination/ year	Province of origin				
	Quebec	Ontario	British Columbia	Other provinces	Canada
1 000 t					
A. Canada					
1980	1 401	1 326	376	220	3 323
1981	1 427	1 329	356	213	3 325
1982	1 210	1 257	302	198	2 967
1983	1 314	1 379	319	194	3 206
1984	1 408	1 468	319	202	3 397
1985	1 456	1 506	363	176	3 501
1986	1 529	1 565	422	214	3 730
1987	1 481	1 677	430	221	3 809
1988	1 546	1 644	434	219	3 844
B. United States					
1980	374	376	37	80	867
1981	356	390	26	23	795
1982	383	356	54	15	808
1983	475	428	110	26	1 039
1984	626	453	124	17	1 220
1985	621	485	224	32	1 362
1986	751	562	264	83	1 660
1987	747	620	321	254	1 942
1988	833	647	350	295	2 126
C. Other countries					
1980	117	58	421	71	667
1981	82	31	318	98	529
1982	54	35	348	100	537
1983	86	20	383	124	613
1984	75	22	363	119	579
1985	51	22	447	75	595
1986	68	22	441	108	639
1987	75	20	414	124	634
1988	59	23	441	129	652
D. Total shipments					
1980	1 892	1 760	834	371	4 857
1981	1 865	1 750	700	334	4 649
1982	1 647	1 648	704	313	4 312
1983	1 875	1 827	812	344	4 858
1984	2 109	1 943	806	338	5 196
1985	2 128	2 013	1 034	283	5 458
1986	2 348	2 149	1 127	405	6 029
1987	2 304	2 317	1 165	600	6 385
1988	2 438	2 314	1 225	644	6 621

Source: Canadian Pulp and Paper Association monthly survey, Special Compilation.

II - 21. SHIPMENTS OF SELECTED WOOD-BASED PANEL PRODUCTS, 1970-1988

Year	Veneer ^a			Plywood ^a			Other wood-based panels			
	Softwoods	Hardwoods	Total	Softwoods	Hardwoods	Total	Waferboard	Particleboard	Hardboard	
A. Quantity (1 000 m³)										
1970	470	134	604	1 664	191	1 855	..	256 ^b	..	
1973	607	139	746	2 149	250	2 399	..	565 ^b	253	
1974	489	118	607	1 842	218	2 060	..	507 ^b	222	
1975	506	99	605	1 979	180	2 159	..	564 ^b	194	
1976	651	111	762	2 134	190	2 324	285	474	191	
1977	750	127	877	2 359	194	2 553	384	514	172	
1978	678	164	842	2 576	217	2 793	457	617	198	
1979	634	x	x	2 379	x	x	528	703	193	
1980	638	x	x	2 248	x	x	577	724	226	
1981	616	x	x	1 978	198	2 176	665	697	163	
1982	473	x	x	1 646	163	1 809	536	574	118	
1983	701	x	x	..	..	2 057	851	706	162	
1984	..	..	..	..	..	1 845	1 183	823	144	
1985	..	..	..	..	..	1 970	1 331	1 029	151	
1986	..	..	..	..	..	1 888	1 356	1 115	136	
1987	..	..	..	..	..	2 223	1 589	1 310	139	
1988	..	..	..	..	..	2 182	1 647	1 154	125	
B. Value (\$000 000)										
1970	17	31	48	150	31	181	..	18 ^b	..	
1973	37	45	82	290	59	349	..	55 ^b	..	
1974	32	44	76	262	58	320	..	54 ^b	..	
1975	30	36	66	280	50	330	..	54 ^b	..	
1976	43	43	86	364	59	423	38	41	..	
1977	49	48	97	406	66	472	54	52	..	
1978	61	79	139	536	82	618	73	77	..	
1979	64	x	x	545	x	x	89	87	..	
1980	68	x	x	493	x	x	80	106	..	
1981	67	x	x	492	91	583	103	117	..	
1982	51	x	x	350	73	423	77	96	..	
1983	67	x	x	x	98	x	129	123	..	
1984	..	..	..	..	..	..	185	152	..	
1985	..	..	..	..	..	..	241	193	..	
1986	..	..	..	..	..	..	255	229	..	
1987	..	..	..	..	..	..	278	277	..	
1988	..	..	..	..	..	..	256	275	..	

^a Annual survey 1970-1983, monthly survey 1984-1988.
^b Including waferboard.

Source: Statistics Canada Cat. No. 25-202, 35-001, 36-001, and 36-003.

II - 22. SHIPMENTS (VALUE) OF GOODS OF OWN MANUFACTURE FOR SELECTED WOOD INDUSTRIES
FROM PROVINCE OF ORIGIN TO FIRST POINT OF DESTINATION, 1984

Province of origin	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Destination of shipments ^a		Directly exported	Total									
													\$000 000												
A. Wood industries																									
Nfld.	25	"	"	"	25	"	"	"	"	"	"	"	"	"	"	"	25								
P.E.I.	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	10									
N.S.	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	118									
N.B.	x	x	x	x	x	186	x	x	x	x	x	x	x	x	x	284									
Atlantic provinces	38	x	x	x	166	321	19	32	x	x	x	x	x	x	x	438									
Que.	12	x	x	x	19	46	1	558	276	x	x	x	x	x	x	487									
Ont.	x	x	x	x	x	19	109	1	226	13	x	x	x	x	x	2 387									
Man.	"	"	"	"	"	x	x	x	93	x	x	x	x	x	x	407									
Sask.	"	"	x	x	x	x	x	x	x	x	x	x	x	x	x	135									
Alta.	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	110									
Prairies	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	539									
B.C.	6	x	x	x	x	x	x	x	x	x	x	x	x	x	x	784									
Canada	59	21	144	200	424	1 830	1	888	213	61	x	172	292	1	323	2 496									
									x	473	x	x	x	x	x	4 569									
										x	x	x	x	x	x	9 973									
B. Shingle and shake industry																									
N.B.	"	x	x	x	x	x	x	x	x	x	x	x	x	x	x	5									
Que.	"	"	"	x	x	x	x	x	x	x	x	x	x	x	x	10									
B.C.	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	124									
Canada	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	139									
C. Sawmill and planing mill products industry																									
Nfld.	9	"	"	"	9	"	"	"	"	"	"	"	"	"	"	"	9								
P.E.I.	"	x	x	x	1	2	"	2	"	"	"	"	"	"	"	"	2								
N.S.	x	x	x	x	x	54	x	x	x	x	x	x	x	x	x	60									
N.B.	x	x	x	x	x	119	132	x	x	x	x	x	x	x	x	185									
Atlantic provinces	x	x	x	x	x	119	196	x	x	x	x	x	x	x	x	49									
Que.	x	x	x	x	x	7	x	799	164	x	x	x	x	x	x	257									
Ont.	"	x	x	x	x	x	x	x	419	x	x	x	x	x	x	1 329									
Man.	"	"	"	x	x	x	x	x	x	x	x	x	x	x	x	669									
Sask.	"	"	"	x	x	x	x	x	x	x	x	x	x	x	x	24									
Alta.	"	"	"	x	x	x	x	x	x	x	x	x	x	x	x	52									
Prairies	"	"	"	x	x	x	x	x	x	x	x	x	x	x	x	269									
B.C.	2	x	x	x	x	4	x	x	x	x	x	x	x	x	x	345									
Canada	23	6	66	130	226	892	807	95	x	207	38	x	152	x	184	3 666									
						x	x	x	x	x	x	x	x	x	x	6 265									
						x	x	x	x	x	x	x	x	x	x	3 016									

^aLarge establishments and head offices classified in the Census of Manufactures Universe were asked to report the first destination to which goods are shipped.

II - 23. SHIPMENTS (VALUE) OF GOODS OF OWN MANUFACTURE FOR SELECTED PAPER AND ALLIED INDUSTRIES FROM PROVINCE OF ORIGIN TO FIRST POINT OF DESTINATION, 1984

Province of origin	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Destination of shipments ^a		Total
													Directly exported	Total	
\$000 000															
A. Paper and allied products industries															
Nfld.	x	x	x	x	x	16	..	x	..	..	..	..	x	x	x
N.S.	x	x	x	x	x	61	32	x	x	x	x	x	x	x	434
N.B.	x	x	x	x	83	101	38	x	..	x	x	x	x	x	1 000
Atlantic provinces	x	x	x	x	178	70	190	x	x	4	x	x	x	x	x
que.	24	x	x	x	70	133	1 032	x	x	31	x	x	x	x	5 864
Ont.	x	x	x	x	135	665	2 782	87	x	119	235	85	x	x	5 852
Man.	x	x	x	x	x	x	30	88	x	x	115	x	x	x	249
Sask.	..	..	..	x	..	x	x	x	x	x	16	x	x	x	x
Alta.	..	x	x	x	..	x	x	x	x	x	128	164	x	x	x
Prairies	x	x	x	x	..	..	44	42	105	49	142	296	x	x	452
B.C.	x	x	x	x	4	5	18	x	22	134	174	489	x	x	x
Canada	109	17	129	194	449	2 506	4 063	236	113	429	779	625	9 050	17 472	
B. Pulp industry															
N.B.	..	..	x	x	x	x	x	x	..	..	..	..	..	..	420
Atlantic provinces	..	..	x	x	x	x	..	..	..	..	..	..	..	..	508
Que.	..	..	..	..	22	22	147	45	..	..	..	..	..	..	420
Ont.	x	..	..	..	x	x	194	x	..	x	x	x	x	x	x
Prairies	..	..	..	..	..	x	x	x	..	x	x	x	..	..	484
B.C.	..	..	..	..	x	x	67	306	..	x	x	x	x	x	705
Canada	x	..	x	x	x	x	379	x	..	x	x	x	x	x	1 536
C. Newsprint industry															
Nfld.	x	..	..	x	x	..	x	..	..	..	..	..	..	..	x
N.S.	..	x	x	x	x	x	x	..	..	..	..	..	..	..	x
N.B.	..	..	x	x	x	x	228	270	x	x	x	x	x	x	x
que.	..	..	x	x	x	x	x	x	x	x	6	x	x	x	2 797
Ont.	x	x	x	x	x	x	x	x	x	x	x	x	x	x	2 282
Man.	..	..	x	x	..	..	x	x	x	x	x	x	x	x	1 436
Prairies	..	..	x	x	..	..	x	x	x	x	x	x	x	x	x
B.C.	..	..	x	x	..	..	x	x	x	x	x	x	x	x	x
Canada	x	x	x	x	x	14	81	258	374	x	37	43	69	913	1 025
											53	100	75	5 303	6 191

^a Large establishments and head offices classified in the Census of Manufactures Universe were asked to report the first destination to which goods are shipped.

Source: Statistics Canada Cat. No. 31-530, Census of Manufactures.

SECTION III

COMMODITY TRADE

Exports

Export documents collected by Canada Customs are the basic source of export statistics, except for data on electricity, crude petroleum, and natural gas exported by pipeline.

Provincial Detail: Prior to the 1984 data year, export statistics by province of lading indicated the province in which the goods were first loaded aboard a carrier for export (province of lading). In certain cases this might differ from the province of origin, which is defined as the province in which the goods were grown, extracted, or manufactured.

Commencing with 1984 data, Statistics Canada and Revenue Canada, Customs and Excise have required export shipments to be reported by province of origin. It is understood that there are some problems effecting this change as many exporters are unable to report by province of origin.

Country and area of destination: Exports are classified according to the country to which they are consigned at the time the goods leave Canada, i.e., to the farthest known destination. (Many primary products are shipped to transhipment points, particularly in Europe, for re-export to the ultimate destination which is unknown when the goods leave Canada.)

Imports

Import documents collected by Canada Customs are the basic source of import statistics, except for data on imports of electricity, which are reported by the importing firms directly to Statistics Canada.

Provincial detail: Import statistics by province of clearance indicate the province in which the goods were cleared by customs either for immediate consumption or for entry into a bonded customs warehouse; this may not always coincide with the province in which the goods are consumed or enter the productive process.

Country and area of consignment: Imports are credited to the country from which goods are consigned to Canada, except for goods originating in Central and South America but consigned to Canada via the United States. The principal trade areas shown in some tables are defined in section X.B, "User's guide - Trade area groupings."

Commodity Classification

Export commodities are classified according to the "Export Commodity Classification (XCC)," catalogue 12-502. Import commodities are classified according to the "Canadian International Trade Classification," catalogue 65-502. These classifications were revised using new reference manuals in effect January 1, 1986.

III - 1. BALANCE OF TRADE BY MAJOR COMMODITY GROUP, 1986-1987

Commodity	1986			1987		
	Exports ^a (+)	Imports (-)	Net flow	Exports ^a (+)	Imports (-)	Net flow
\$000 000						
A. Forest products	18 018	2 399	+15 619	21 355	2 684	+18 671
Lumber - Total	5 033	360	+ 4 673	5 938	424	+ 5 513
- Softwoods	4 893	143	+ 4 751	5 748	139	+ 5 608
Plywood, veneer	239	112	+ 128	270	137	+ 133
Particleboard and wood building board	184	-	+ 184	169	-	+ 169
Wood pulp	4 072	138	+ 3 934	5 474	143	+ 5 331
Newsprint	5 661	-	+ 5 661	6 029	-	+ 6 029
Other paper and paperboard	1 811	1 311	+ 500	2 258	1 465	+ 793
Pulpwood	12	28	- 16	22	22	- 1
Wood chips	78	24	+ 54	74	6	+ 67
Other crude wood materials	230	174	+ 57	372	176	+ 196
Other forest products	697	252	+ 445	751	310	+ 441
B. Farm products	7 538	6 089	+ 1 449	7 949	6 100	+ 1 849
Live animals	350	159	+ 191	368	162	+ 206
Food, feed, beverages, and tobacco	7 188	5 930	+ 1 258	7 581	5 938	+ 1 643
C. Fish products	2 434	613	+ 1 821	2 770	691	+ 2 079
D. Energy	12 175	4 607	+ 7 568	13 348	5 015	+ 8 333
Coal and other crude bituminous	1 851	746	+ 5 606	1 670	727	+ 8 418
Crude petroleum	3 775	2 885	+ 890	4 855	3 180	+ 1 676
Petroleum and coal products	2 098	889	+ 1 208	2 210	1 018	+ 1 192
Natural gas	2 524	--	+ 2 524	2 527	--	+ 2 527
Uranium and radioactive elements and isotopes	842	-	+ 842	886	-	+ 886
Electricity and parts	1 086	88	+ 998	1 200	90	+ 1 109
E. Metals and minerals	17 690	10 084	+ 7 606	17 161	9 686	+ 7 475
Metal ores, concentrates, and scrap	3 339	1 957	+ 1 382	3 654	1 644	+ 2 011
Iron and steel	2 433	1 840	+ 593	2 680	2 076	+ 604
Nonferrous metals	7 390	3 074	+ 432	6 441	2 486	+ 3 955
Other metals and minerals	4 528	3 213	+ 1 315	4 386	3 480	+ 906
F. Other products	62 472	86 977	-24 505	62 135	90 071	-27 936
Chemicals and fertilizers - minerals	2 716	1 654	+ 1 062	3 046	1 771	+ 1 276
Chemicals and fertilizers - non minerals	2 198	4 186	- 1 989	2 560	4 457	- 1 897
Textiles	396	2 105	- 1 709	456	2 261	- 1 805
Machinery	4 293	9 963	- 5 669	4 351	10 399	- 6 048
Transportation and automotive products	39 934	39 016	+ 917	37 446	38 507	- 1 061
Other products	12 935	30 052	-17 117	14 276	32 676	-18 400
Special trade transactions	343	1 743	- 1 400	370	1 992	- 1 623
G. Total	120 670	112 511	+ 8 158	125 087	116 239	+ 8 848

^a Including re-exports.

Source: Statistics Canada Cat. No. 65-202 and 65-203.

COMMODITY CLASSIFICATION

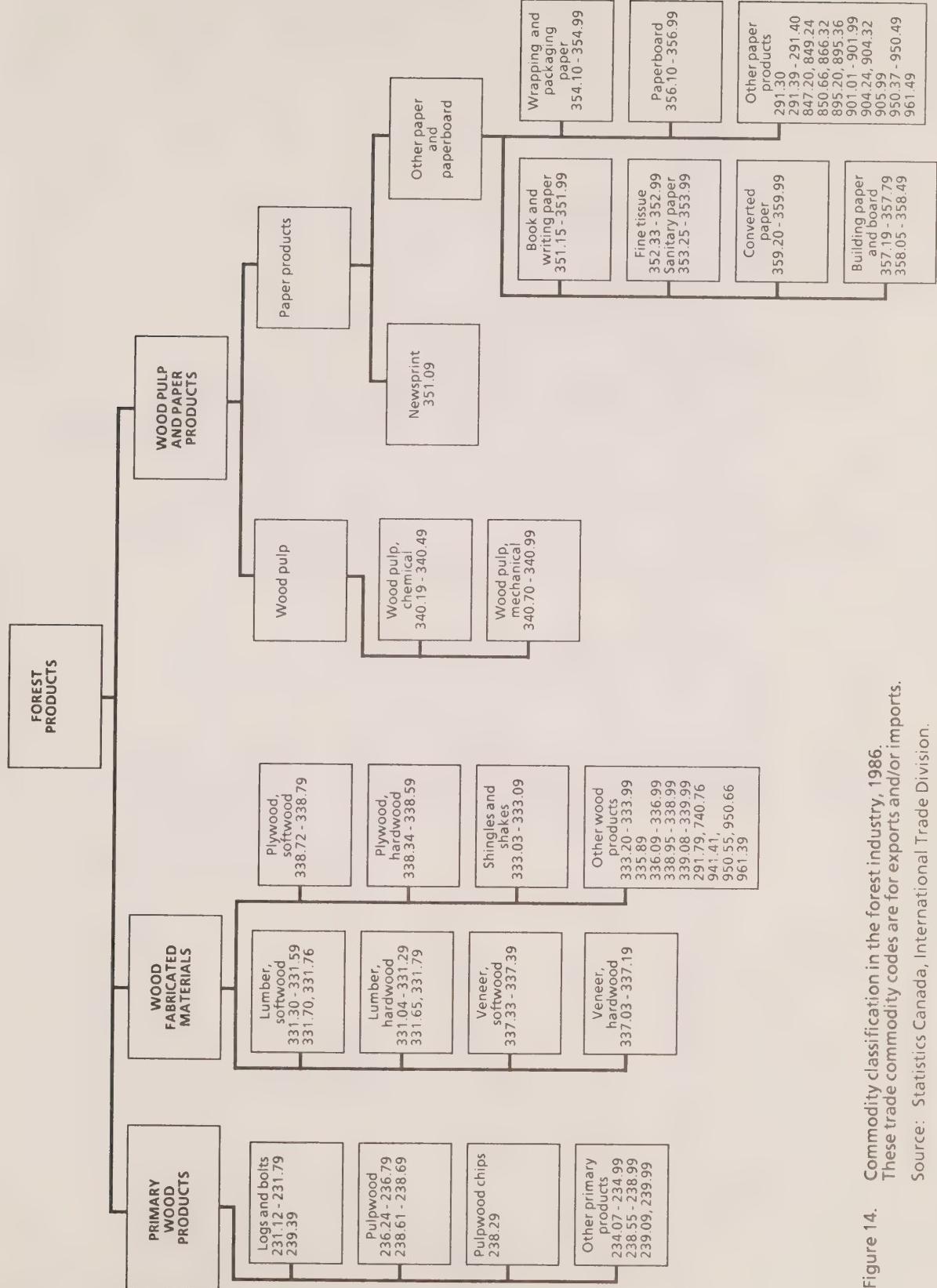


Figure 14. Commodity classification in the forest industry, 1986.
These trade commodity codes are for exports and/or imports.

Source: Statistics Canada, International Trade Division.

III - 2. CANADIAN EXPORTS^a (VALUE) BY COMMODITY GROUP, 1970-1987

Year	Forest products						Mines					
	Lumber			Other paper, forest products			Agriculture			Chemicals and fertilizers		
	Soft-woods	Total	Wood pulp	News-print	Paper board	Other forest products	Farm products	Total	Fish products	Minerals	Other	Energy
\$'000 000												
1970	638	664	785	1 110	166	230	2 955	1 616	252	335	181	1 007
1971	799	830	798	1 084	173	227	3 112	1 838	274	373	156	1 276
1972	1 128	1 174	830	1 158	222	262	3 646	2 018	337	389	156	1 701
1973	1 559	1 599	1 082	1 288	286	323	4 578	2 677	480	477	194	2 403
1974	1 254	1 290	1 889	1 726	424	297	5 626	3 459	411	678	258	4 944
1975	949	973	1 834	1 746	304	270	5 127	3 700	447	683	265	5 405
1976	1 611	1 649	2 186	2 003	375	362	6 575	3 710	585	868	332	5 279
1977	2 339	2 387	2 158	2 382	468	532	7 927	3 816	792	1 066	512	5 315
1978	3 158	3 229	2 181	2 886	616	717	9 629	4 200	1 102	1 248	652	6 196
1979	3 821	3 901	3 083	3 222	824	860	11 890	5 024	1 290	1 864	855	8 995
1980	3 263	3 352	3 873	3 684	1 012	898	12 819	7 012	1 251	2 384	1 046	10 997
1981	2 913	2 989	3 819	4 326	983	858	12 975	7 958	1 483	2 704	1 240	11 514
1982	2 847	2 913	3 221	4 086	1 028	853	12 101	8 639	1 583	2 368	1 234	12 083
1983	3 896	3 965	3 049	3 956	1 142	1 106	13 218	8 865	1 544	2 557	1 447	11 862
1984	4 182	4 257	3 906	4 784	1 417	1 370	15 734	9 257	1 576	3 019	1 766	14 245
1985	4 523	4 595	3 405	5 412	1 472	1 359	16 242	7 830	1 827	2 809	2 076	16 158
1986	4 893	4 980	4 072	5 661	1 794	1 431	17 938	7 472	2 407	2 689	2 155	11 078
1987	5 745	5 859	5 473	6 029	2 237	1 643	21 241	7 873	2 736	3 023	2 505	12 139

Re-exports shown separately.

Farm products: Food, feed, and beverages, including live animals and tobacco.
Energy-minerals: coal and other crude bitumen substances, crude petroleum, natural gas, petroleum and coal products, uranium and radioactive elements and isotopes.

Other metals and minerals: metal ores, concentrates and scrap, iron and steel, non-ferrous metal, metal-fabricated basic products, unmanufactured asbestos, sulphur and other crude non-metallic minerals.

Source: Statistics Canada Cat. No. 65-202.

EXPORTS OF CANADIAN PRODUCTS

Billions of dollars

65

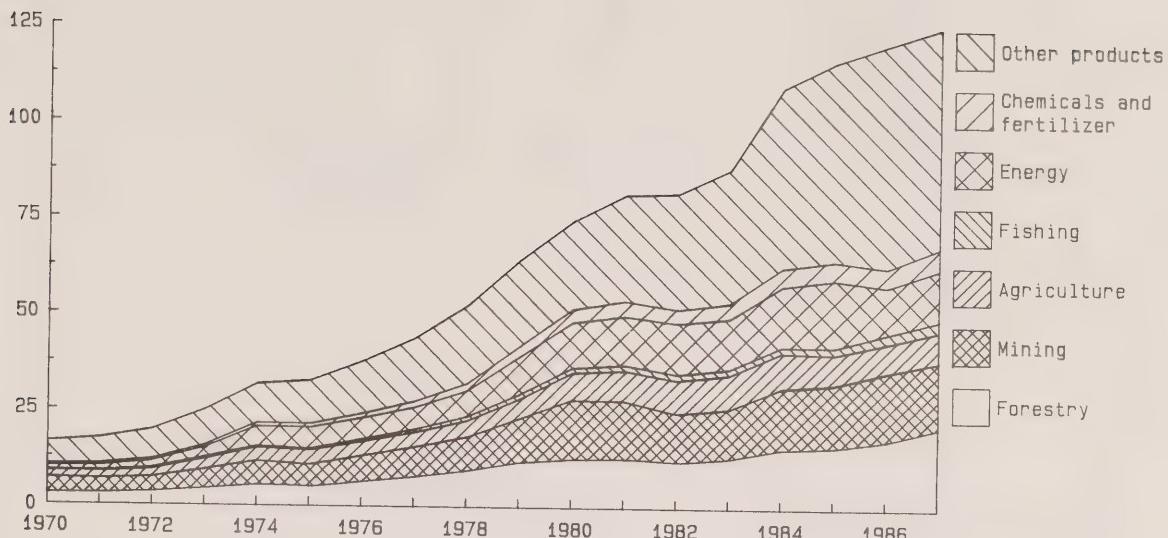


Figure 15. Exports of Canadian products by commodity group, 1970-1987.

Source: Statistics Canada, Cat No. 65-202 and special compilation.

NET TRADE BALANCE

Billions of dollars

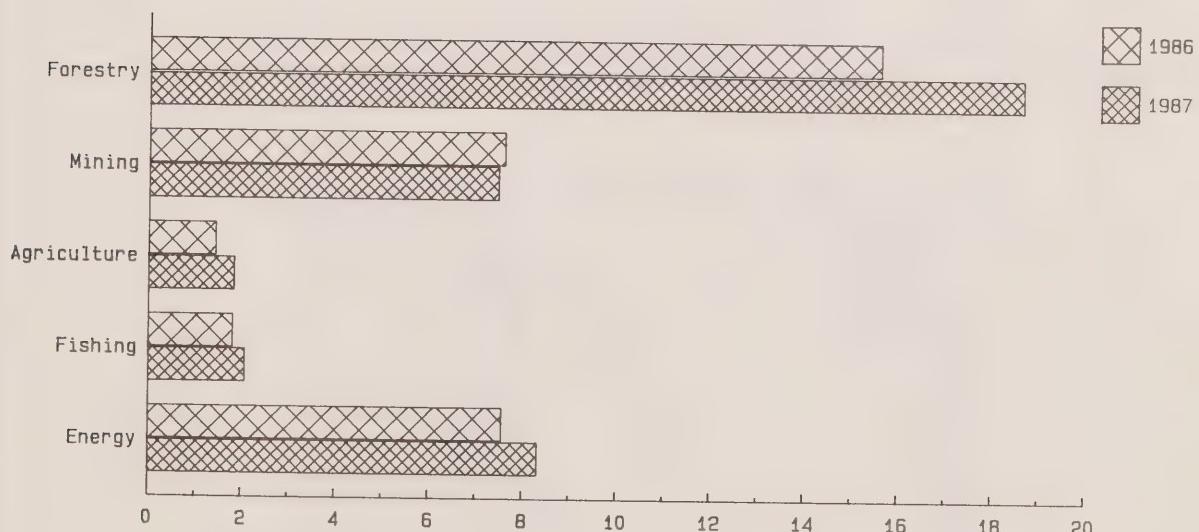


Figure 16. Contribution to net trade balance by commodity group, 1986-1987.

Source: Statistics Canada, Cat. No. 65-202 and special compilation.

III - 3. DOMESTIC EXPORTS^a OF FOREST PRODUCTS (VALUE) BY PROVINCE OR REGION OF LADING 1970-1983
AND BY PROVINCE OR REGION OF LADING/ORIGIN, 1984-1987

Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon and N.W.T.	Canada
\$000 000														
A. Province or region of lading														
1970	90	1	74	183	348	781	515	13	29	50	92	1 220	--	2 955
1971	76	--	80	199	355	779	498	16	32	53	101	1 379	--	3 112
1972	86	--	88	235	409	839	548	28	40	73	141	1 708	--	3 646
1973	119	1	116	300	536	906	662	36	51	92	179	2 294	--	4 578
1974	180	1	171	450	802	1 210	857	42	58	145	245	2 511	--	5 626
1975	160	1	178	435	774	1 197	747	38	56	167	261	2 148	--	5 127
1976	166	2	168	492	828	1 336	904	44	49	188	281	3 225	1	6 575
1977	198	1	201	545	945	1 604	1 264	56	55	220	331	3 780	2	7 927
1978	177	1	222	579	979	2 086	1 566	73	78	219	370	4 628	1	9 629
1979	229	5	264	674	1 172	2 601	1 956	85	91	289	465	5 696	--	11 890
1980	256	2	318	880	1 456	2 937	2 228	90	123	316	529	5 669	--	12 819
1981	325	1	356	954	1 636	3 404	2 513	124	141	330	595	4 855	1	13 003
1982	316	1	282	725	1 324	3 333	2 365	103	98	292	493	4 586	1	12 101
1983	246	1	231	754	1 231	3 301	2 686	103	114	329	545	5 453	--	13 218
B. Province or region of lading/origin														
1984	286	3	354	1 050	1 693	3 999	3 267	146	140	415	701	6 074	1	15 734
1985	318	2	357	1 025	1 701	4 140	3 437	178	105	407	690	6 274	1	16 242
1986	311	1	438	1 178	1 928	4 655	3 519	213	161	432	806	7 030	--	17 938
1987	372	1	508	1 388	2 269	4 907	3 738	190	223	550	963	9 364	--	21 241

^aExcluding re-exports.

Source: Statistics Canada Special Compilation, International Trade Division.

EXPORTS BY REGION OF LADING/ORIGIN
Billions of dollars

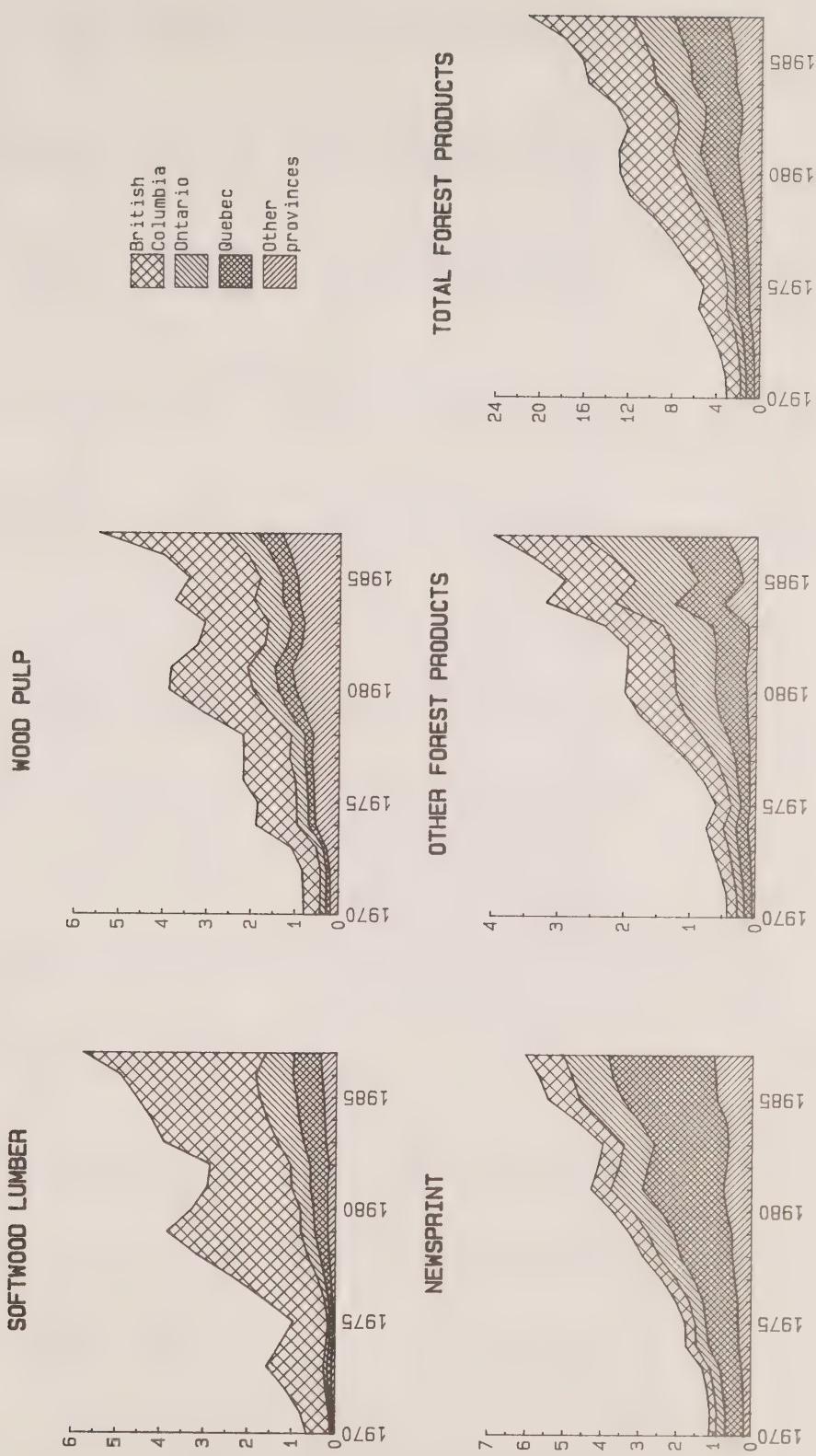


Figure 17. Exports of Canadian forest products by commodity group and region of lading/origin, 1970-1987.
Source: Statistics Canada, Cat. No. 65-202 and special compilation.

III - 4. EXPORTS^a AND IMPORTS OF FOREST PRODUCTS (VALUE) BY COMMODITY GROUP, 1970-1987

Year	Lumber			Particle-board			Plywood and wood building board			Wood-pulp			News-print			Other paper and paperboard			Pulp-wood			Wood-chips			Wood materials			Other crude wood products			Other forest products			Total forest products			Total products			Forest products (%)		
	Softwoods		Total																																							
\$000 000																																										
A. Exports																																										
1970	638	664	73	-	785	1 110	167	27	11	40	81	2 958	16 820	17.6																												
1973	1 559	1 600	128	-	1 082	1 288	287	12	16	19	150	4 582	25 421	18.0																												
1974	1 255	1 292	107	-	1 889	1 726	425	13	14	36	129	5 631	32 442	17.4																												
1975	949	975	90	-	1 834	1 746	305	11	14	36	119	5 130	33 328	15.4																												
1976	1 611	1 653	102	-	2 186	2 003	378	12	22	40	189	6 585	38 475	17.1																												
1977	2 339	2 389	149	-	2 158	2 382	471	12	35	59	280	7 935	44 554	17.8																												
1978	3 158	3 230	212	-	2 181	2 886	618	14	49	53	391	9 634	53 183	18.1																												
1979	3 821	3 903	248	-	3 083	3 222	827	15	54	77	469	11 898	65 641	18.1																												
1980	3 265	3 368	237	-	3 873	3 684	1 015	26	91	89	459	12 842	76 159	16.9																												
1981	2 916	3 029	222	-	3 819	4 326	966	25	98	77	490	13 053	83 811	15.6																												
1982	2 848	2 954	215	-	3 221	4 086	1 016	8	98	120	470	12 188	84 530	14.4																												
1983	3 896	3 997	92	-	3 049	3 956	1 148	12	89	174	486	13 261	90 613	14.6																												
1984	4 182	4 299	273	-	3 907	4 784	1 427	11	85	263	588	15 793	112 384	14.1																												
1985	4 524	4 630	249	201	3 411	5 411	1 486	8	83	203	623	16 305	119 474	13.6																												
1986	4 893	5 033	239	184	4 072	5 661	1 811	12	78	230	697	18 018	120 670	14.9																												
1987	5 748	5 938	270	169	5 474	6 029	2 258	22	74	372	751	21 355	125 087	17.1																												
B. Imports																																										
1970	22	38	28	6	107	3	45	27	-	-	-	50	45	1.9																												
1973	60	99	78	23	188	4	564	564	-	-	-	152	105	2.4																												
1974	71	117	114	33	19	8	790	790	-	-	-	160	152	2.5																												
1975	71	110	124	30	346	9	864	864	-	-	-	174	56	2.5																												
1976	95	164	97	29	432	8	992	992	-	-	-	199	55	2.6																												
1977	96	171	72	25	402	11	972	972	-	-	-	198	51	2.3																												
1978	94	203	76	25	469	14	236	236	-	-	-	69	14	1.9																												
1979	127	271	89	26	546	21	296	296	-	-	-	94	6	2.3																												
1980	108	235	64	23	576	15	262	262	-	-	-	82	2	2.3																												
1981	130	276	113	29	722	17	310	310	-	-	-	75	3	2.0																												
1982	72	177	46	15	684	15	198	198	-	-	-	75	4	1.9																												
1983	123	281	88	21	876	13	7	102	-	-	-	166	6	2.2																												
1984	108	281	78	24	129	13	9	141	-	-	-	183	1	2.1																												
1985	112	281	79	28	132	-	142	17	9	156	190	2	1.9																													
1986	143	360	112	33	138	-	311	28	24	174	219	2	2.1																													
1987	139	424	137	35	143	-	1 465	22	6	1 465	22	6	2.3																													

^aIncluding re-exports.

Source: Statistics Canada Cat. No. 65-202 and 65-203.

III - 5. BALANCE OF TRADE OF FOREST PRODUCTS (VALUE) BY COMMODITY GROUP, 1970-1987

Year	Lumber		Particle-board		Wood-pulp		Other paper and paperboard		Wood-chips		Other crude wood materials		Other forest products		Total forest products		Canada			
	Softwoods		Plywood and veneer		and wood building board		Wood-pulp		Newsprint		Paper and paperboard		Pulp-wood		Wood-chips		Other forest products		Total products	
1970	+ 616 ^a	+ 626	+ 45	- 6	+ 775	+ 1 110	+ 60	+ 24	+ 11	+ 13	+ 36	+ 2 694	+ 2 868	+ 2 803	+ 2 202	+ 2 202	+ 2 868			
1971	+ 772	+ 785	+ 34	- 11	+ 783	+ 1 084	+ 54	+ 16	+ 17	- 2	+ 42	+ 2 803	+ 2 202	+ 2 224	+ 1 481	+ 1 481	+ 2 224			
1972	+ 1 090	+ 1 107	+ 37	- 15	+ 813	+ 1 158	+ 77	+ 9	+ 13	- 27	+ 52	+ 2 224	+ 1 481	+ 4 018	+ 2 096	+ 4 018	+ 2 096			
1973	+ 1 499	+ 1 501	+ 50	- 23	+ 1 065	+ 1 288	+ 99	+ 8	+ 16	- 31	+ 45	+ 4 018	+ 2 096	+ 4 018	+ 2 096	+ 4 018	+ 2 096			
1974	+ 1 184	+ 1 175	- 7	- 33	+ 1 870	+ 1 726	+ 143	+ 5	+ 14	- 28	- 23	+ 4 841	+ 720	+ 4 841	+ 720	+ 4 841	+ 720			
1975	+ 878	+ 865	- 34	- 30	+ 1 804	+ 1 746	- 41	+ 2	+ 14	- 20	- 41	+ 4 266	- 1 388	+ 5 593	+ 981	+ 5 593	+ 981			
1976	+ 1 516	+ 1 489	+ 5	- 29	+ 2 153	+ 2 003	- 54	+ 4	+ 22	- 15	+ 15	+ 4 266	- 1 388	+ 6 963	+ 2 191	+ 6 963	+ 2 191			
1977	+ 2 243	+ 2 218	+ 77	- 25	+ 2 123	+ 2 382	+ 69	+ 1	+ 30	+ 8	+ 81	+ 6 963	+ 2 191	+ 8 487	+ 3 075	+ 8 487	+ 3 075			
1978	+ 3 064	+ 3 027	+ 136	- 25	+ 2 131	+ 2 886	+ 149	-	+ 43	- 16	+ 155	+ 8 487	+ 3 075	+ 10 470	+ 2 770	+ 10 470	+ 2 770			
1979	+ 3 694	+ 3 632	+ 159	- 26	+ 3 004	+ 3 222	+ 281	- 6	+ 48	- 17	+ 173	+ 10 470	+ 2 770	+ 10 470	+ 2 770	+ 10 470	+ 2 770			
1980	+ 3 157	+ 3 133	+ 173	- 23	+ 3 794	+ 3 684	+ 439	+ 11	+ 89	+ 7	+ 197	+ 11 504	+ 6 885	+ 11 504	+ 6 885	+ 11 504	+ 6 885			
1981	+ 2 786	+ 2 753	+ 109	- 29	+ 3 736	+ 4 326	+ 244	+ 8	+ 95	+ 2	+ 180	+ 11 425	+ 4 329	+ 11 425	+ 4 329	+ 11 425	+ 4 329			
1982	+ 2 776	+ 2 777	+ 169	- 15	+ 3 133	+ 4 086	+ 332	- 7	+ 94	+ 45	+ 272	+ 10 886	+ 4 329	+ 10 886	+ 4 329	+ 10 886	+ 4 329			
1983	+ 3 773	+ 3 716	+ 170	+ 71	+ 2 963	+ 3 956	+ 272	- 1	+ 82	+ 72	+ 320	+ 11 621	+ 5 005	+ 11 621	+ 5 005	+ 11 621	+ 5 005			
1984	+ 4 074	+ 4 018	+ 195	+ 133	+ 3 777	+ 4 784	+ 320	- 2	+ 76	+ 122	+ 405	+ 13 828	+ 6 924	+ 13 828	+ 6 924	+ 13 828	+ 6 924			
1985	+ 4 412	+ 4 349	+ 170	+ 173	+ 3 279	+ 5 411	+ 344	- 9	+ 74	+ 47	+ 433	+ 14 271	+ 15 120	+ 14 271	+ 15 120	+ 14 271	+ 15 120			
1986	+ 4 750	+ 4 673	+ 127	+ 151	+ 3 934	+ 5 661	+ 500	- 16	+ 54	+ 56	+ 478	+ 15 619	+ 8 159	+ 15 619	+ 8 159	+ 15 619	+ 8 159			
1987	+ 5 609	+ 5 514	+ 133	+ 134	+ 5 331	+ 6 029	+ 793	-	+ 196	+ 68	+ 475	+ 18 671	+ 8 848	+ 18 671	+ 8 848	+ 18 671	+ 8 848			

^aThe + sign means surplus and the - sign means deficit.

Source: Statistics Canada Cat. No. 65-202 and 65-203.

III - 6. DOMESTIC EXPORTS^a AND IMPORTS OF FOREST PRODUCTS (QUANTITY) BY COMMODITY GROUP, 1950-1987

Year	Logs and bolts			Wood chips			Lumber			Shingles and shakes			Wood pulp			Newsprint			Other paper and paperboard		
	1 000 m ³	1 000 m ³	1 000 t	1 000 m ³	1 000 t	1 000 m ³	1 000 m ³	Total	1 000 m ³	1 000 t	1 000 m ³	1 000 t	1 000 m ²	1 000 t	1 000 t	1 000 t	1 000 t	1 000 t	1 000 t	1 000 t	
A. Exports																					
1950	..	..	194	7 971	8 399	27 164	1 675	4 480	..	..	..	..	..	..	..	..	..	..	..	..
1960	..	..	718	10 494	10 768	18 120	2 360	5 616	211	..	..	..	..	..	..	..	..	..	..	..
1970	1 295	2 636	881	17 299	17 621	20 462	5 063	7 339	626	..	..	..	..	..	..	..	..	..	..	..
1973	230	1 267	722	23 186	23 534	25 018	6 054	7 628	898	..	..	..	..	..	..	..	..	..	..	..
1974	752	1 202	588	19 283	19 562	19 358	5 26	7 910	913	..	..	..	..	..	..	..	..	..	..	..
1975	416	947	471	15 309	15 466	18 798	4 997	6 354	664	..	..	..	..	..	..	..	..	..	..	..
1976	569	905	704	22 621	22 832	24 841	6 116	7 000	788	..	..	..	..	..	..	..	..	..	..	..
1977	928	764	916	28 817	29 059	28 206	6 096	7 267	1 369	..	..	..	..	..	..	..	..	..	..	..
1978	670	891	1 111	31 419	31 715	33 369	6 641	7 868	1 610	..	..	..	..	..	..	..	..	..	..	..
1979	856	797	1 165	31 285	31 548	33 221	7 102	7 778	1 733	..	..	..	..	..	..	..	..	..	..	..
1980	1 164	1 066	1 343	29 016	29 290	32 638	7 253	7 718	1 931	..	..	..	..	..	..	..	..	..	..	..
1981	963	903	1 307	27 263	27 506	30 786	6 999	7 986	1 646	..	..	..	..	..	..	..	..	..	..	..
1982	1 260	287	1 131	27 566	27 807	30 303	6 115	7 081	1 644	..	..	..	..	..	..	..	..	..	..	..
1983	2 274	434	1 387	33 887	34 113	38 137	6 806	7 379	1 942	..	..	..	..	..	..	..	..	..	..	..
1984	3 408	408	1 305	37 066	37 355	42 427	7 030	8 127	2 040	..	..	..	..	..	..	..	..	..	..	..
1985	2 515	378	1 117	38 619	38 861	43 763	7 060	8 285	1 992	..	..	..	..	..	..	..	..	..	..	..
1986	2 741	611	1 012	38 001	38 274	42 871	7 619	8 562	2 321	..	..	..	..	..	..	..	..	..	..	..
1987	3 523	874	904	41 296	41 676	41 676	8 242	8 772	2 723	..	..	..	..	..	..	..	..	..	..	..
B. Imports																					
1950	..	..	..	..	..	..	187	10	33	..	..	..	..	..	..	..	..	..	..	..
1960	..	..	..	..	..	..	544	101	58	..	..	..	..	..	..	..	..	..	..	..
1970	1 608	304	..	..	..	..	597	1 642	47	..	..	..	..	..	..	..	..	..	..	..
1973	2 261	339	-	..	..	..	704	1 075	287	83	..	..	..	..	..	..	..	..	..	..
1974	1 882	651	-	..	..	..	753	1 124	865	56	..	..	..	..	..	..	..	..	..	..
1975	1 658	555	-	..	..	..	856	1 187	-	82	..	..	..	..	..	..	..	..	..	..
1976	1 947	494	-	..	..	..	935	1 512	-	..	..	..	..	..	..	..	..	..	..	..
1977	1 764	585	-	..	..	..	764	1 228	-	..	..	..	..	..	..	..	..	..	..	..
1978	2 013	672	145	625	1 145	-	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1979	2 364	897	160	785	1 409	-	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1980	2 039	559	96	671	1 197	-	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1981	1 631	591	86	807	1 361	-	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1982	1 577	500	51	506	895	-	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1983	2 359	457	97	773	1 341	-	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1984	2 807	440	118	626	1 203	-	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1985	2 947	588	157	663	1 197	-	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1986	3 116	771	429	794	1 419	-	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1987	3 093	108	740	1 559	1 559	-	..	..	..	..	..	..	..	..	..	..	..	..	..	..

^aExcluding re-exports.

Source: Statistics Canada Cat. No. 65-202 and 65-203.

III - 7. APPARENT DOMESTIC CONSUMPTION^a OF FOREST PRODUCTS (QUANTITY) BY COMMODITY GROUP, 1950-1987

Year	Logs and bolts	Pulpwood	Lumber			Wood pulp	Newsprint	Other paper and paperboard
			Softwoods		Total			
			1 000 m ³	1 000 m ³	1 000 m ³			
1950	..	..	6 537	7 253	6 045	345	1 272	1 955
1960	..	..	7 694	8 683	8 096	452	1 955	1 955
1970	75 957	38 070	8 549	9 564	11 593	657	2 829	2 829
1971	80 984	35 326	9 648	10 622	11 468	658	2 963	2 963
1972	83 547	37 475	9 508	10 793	11 934	726	3 237	3 237
1973	98 917	41 450	12 697	14 185	12 592	729	3 660	3 660
1974	86 425	47 483	12 150	13 686	13 208	800	4 027	4 027
1975	74 785	36 671	11 859	13 026	10 198	656	2 908	2 908
1976	98 513	36 421	13 960	15 502	11 914	1 063	3 585	3 585
1977	104 543	36 553	12 541	13 897	12 159	799	3 150	3 150
1978	112 879	37 820	12 782	14 317	13 640	871	3 456	3 456
1979	115 941	40 342	15 064	16 561	13 799	864	3 683	3 683
1980	110 832	38 276	15 179	16 902	13 579	650	3 466	3 466
1981	96 986	40 892	12 781	14 072	13 714	947	3 878	3 878
1982	89 186	31 297	9 304	10 540	12 549	704	3 437	3 437
1983	111 354	38 113	14 510	15 894	13 681	1 082	3 591	3 591
1984	116 653	42 083	11 268	12 857	13 808	823	4 010	4 010
1985	119 711	40 761	14 557	16 197	13 337	703	4 222	4 222
1986	124 953	42 527	14 653	16 204	14 160	712	4 431	4 431
1987	..	..	20 489	21 881	14 806	901	4 506	4 506

^aApparent domestic consumption = Production + Imports - Exports.

Source: Statistics Canada Cat. No. 25-201, 35-204, 36-204, 65-202 and 65-203 and Canadian Pulp and Paper Association Reference Tables 1988.

III - 8. DOMESTIC EXPORTS^a OF FOREST PRODUCTS (VALUE) BY COMMODITY GROUP AND PROVINCE OR REGION OF LADING/ORIGIN, 1987

Commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada	
\$000															
A. Primary Wood products	3 354	683	14 764	20 321	39 122	20 736	7 643	127	378	2 707	3 212	392 301	3	463 018	
Logs, bolts - Total	7 39	206	2 783	3 034	3 129	2 763	114	123	285	522	308 274	3	317 725		
- Softwood Logs	7 1	881	889	60	175	30	123	24	178	178	301 772	-	303 073		
Pulpwood - Total	3 348	546	4 332	7 324	15 550	3 552	549	-	-	-	1 954	-	21 604		
- Unpeeled	- 2	3 127	6 435	9 564	1 765	22	-	-	-	-	1 619	-	12 971		
Wood chips	-	2	6 107	6 107	1 314	1 299	-	1	1	1	64 725	-	73 446		
Other primary products	-	98	10 226	4 107	14 431	12 741	3 033	13	255	2 421	2 689	17 348	-	50 243	
B. Wood-fabricated materials	304	329	16 575	156 372	173 580	881 230	945 802	65 231	25 847	238 297	329 375	4 710 045	38	7 040 069	
Lumber - Softwoods	265	133	12 613	108 733	121 743	588 417	647 929	57 935	13 597	177 643	249 175	4 137 724	38	5 745 025	
- Hardwoods	- 62	2 087	2 004	4 153	54 672	48 876	2 989	17	88	3 093	2 816	-	113 610		
Shingles and shakes	- 26	7	9 173	9 205	19 470	1 438	164	32	204	4 00	186 933	-	217 446		
Veneer - Softwoods	-	-	-	-	380	1 326	-	-	2	12 524	-	14 232			
- Hardwoods	- 37	117	813	967	55 750	62 394	-	-	272	272	1 220	-	120 603		
Plywood - Softwoods	-	81	37	118	420	507	4	-	109	113	96 864	-	98 022		
- Hardwoods	- 8	58	64	130	11 058	17 995	-	-	112	112	3 773	-	33 069		
Other wood products	39	63	1 612	35 549	37 263	151 064	165 337	4 138	12 202	59 867	76 207	268 192	-	698 062	
C. Wood pulp and paper products	368 228	403	476 460	1 211 141 2	056 232 4	005 266	2 784 555	124 535	196 715	309 299	630 548	4 261 598	-	13 738 199	
Wood pulp - Total	111	85	23 624	611 501	842 320	565 776	700 559	1 734	194 885	293 237	489 856	2 874 523	-	5 473 035	
- Chemical	111	85	23 086	486 678	717 160	536 971	699 656	1 734	194 847	293 200	489 781	2 782 196	-	5 225 764	
Paper products	368 117	318	245 836	599 641 1	213 911 3	439 490	2 083 996	122 801	1 829	16 062	140 692	1 387 075	-	8 265 164	
Newsprint	294 968	-	233 766	453 309	982 043	2 795 761	1 195 244	63 126	-	130	63 255	992 286	-	6 028 589	
Other paper and paperboard	73 149	318	12 070	146 332	231 868	643 729	888 752	59 675	1 829	15 932	77 437	394 789	-	2 236 574	
Book and writing paper	72 968	13	554	82 908	156 443	254 106	400 640	245	66	20	330	57 346	-	868 865	
Fine paper	-	-	36	76	112	37 030	40 883	22	-	58	79	38 842	-	116 947	
Tissue and sanitary	6	11	9	4 494	4 521	18 240	24 422	-	-	-	-	23 366	-	70 548	
Wrapping and packaging	-	213	74	444	730	28 718	33 487	51 817	-	220	52 037	97 105	-	212 077	
Paperboard	-	9	2 039	54 957	57 006	102 617	40 679	51	-	506	556	101 560	-	302 418	
Building paper and board	-	8	7 304	130	7 442	42 981	66 640	1 524	62	11 070	12 655	25 404	-	155 123	
Converted paper	16	41	277	756	1 091	54 601	148 771	654	-	864	1 518	2 538	-	208 518	
Misc. paper products	159	23	1 777	2 565	4 523	105 436	133 229	5 363	1 702	3 196	10 261	48 628	-	302 076	
Total forest products	371 887	1 415	507 799	1 387 834 2	268 934 4	907 232	3 738 000	189 893	222 939	550 303	963 135	9 363 944	41 21 241 286		

^aExcluding re-exports.

Source: Statistics Canada Special Compilation, International Trade Division.

Commodity	Nfld.	P.E.I.	N.S.	N.B.	provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada
A. Primary Wood products														
Logs, bolts - Total (1 000 m ³)	--	2	2	68	72	24	27	1	1	3	5	3 395	--	3 523
- Softwood logs	--	--	23	23	--	5	1	1	--	2	2	3 247	--	3 277
Pulpwood - Total (1 000 m ³)	100	12	154	403	669	122	13	--	--	70	70	--	--	874
- Unpeeled	--	--	124	374	498	62	1	--	--	58	58	--	--	618
Wood chips (1 000 t)	--	--	--	94	94	18	19	--	--	--	774	--	--	904
B. Wood-fabricated materials														
Lumber - Softwoods (1 000 m ³)	2	1	85	807	895	4 710	5 260	470	143	1 595	2 208	28 223	--	41 296
- Hardwoods	--	1	4	12	16	204	134	15	--	1	16	10	--	380
Shingles and shakes (1 000 m ²)	--	3	1	1 653	1 657	3 531	364	41	3	38	83	30 696	--	36 330
Veneer - Softwoods (1 000 m ³)	--	--	--	--	--	1	7	--	--	--	83	--	--	91
- Hardwoods	--	--	--	1	1	53	67	--	--	--	--	2	--	122
Plywood - Softwoods (1 000 m ³)	--	--	--	--	--	1	1	--	--	--	--	269	--	272
- Hardwoods	--	--	--	--	--	14	35	--	--	--	7	7	--	57
Other wood products (1 000 m ³)	--	--	7	73	80	182	335	41	80	288	409	513	--	1 520
C. Wood pulp and paper products (1 000 t)														
Wood pulp - Total	--	--	683	1 826	3 140	5 432	3 736	185	329	487	1 001	6 426	--	19 736
- Chemical	--	--	346	948	1 294	815	1 035	3	329	454	785	4 312	--	8 242
Paper products	--	--	346	695	1 041	756	1 034	3	329	453	785	4 093	--	7 709
Newsprint	629	--	337	879	1 846	4 617	2 701	182	--	34	216	2 114	--	11 495
Other paper and paperboard	535	--	320	647	1 503	3 897	1 735	99	--	--	100	1 537	--	8 772
Book and writing paper	95	--	17	231	343	720	966	83	--	33	117	577	--	2 723
Fine paper	95	--	1	99	195	320	489	--	--	1	67	1 070	--	1 070
Tissue and sanitary	--	--	--	--	--	39	40	--	--	--	39	39	--	118
Wrapping and packaging	--	--	--	3	3	17	19	--	--	--	24	24	--	64
Paperboard	--	--	5	127	131	189	81	--	--	77	77	170	--	300
Building paper and board	--	--	11	1	12	113	272	5	--	32	37	48	--	624
Converted paper	--	--	--	1	1	15	43	1	--	1	1	6	--	482

^aExcluding re-exports.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 10. IMPORTS OF FOREST PRODUCTS (VALUE) BY COMMODITY GROUP AND PROVINCE OR REGION OF CLEARANCE, 1987

Commodity	Nfld.	P.E.I.	N.S.	N.B.	provinces	Atlantic	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada
															\$ 000
A. Primary wood products															
Logs, bolts - Total	3	-	1 499	13 230	14 733	122 629	39 637	264	427	421	1 112	26 859	-	204 969	
- Softwood logs	-	-	6	7 633	7 639	117 422	26 671	-	3	17	20	2 163	-	153 915	
Pulpwood - Total	-	-	-	5 027	5 027	89 435	936	-	2	-	2	2 154	-	97 554	
- Unpeeled	-	-	-	126	126	298	6 430	-	-	-	-	15 490	-	22 343	
Wood chips	-	-	-	4 985	4 985	7	270	6 106	-	-	-	15 490	-	22 019	
Other primary products	3	-	1 493	486	1 983	4 903	6 266	260	422	4	1	6	1 211	-	6 479
B. Wood-fabricated materials															
Lumber - Softwoods	245	23	6 766	13 990	21 025	162 035	442 357	31 574	9 024	14 363	54 961	190 503	3	870 884	
- Hardwoods	-	1	200	6 002	6 203	17 609	49 354	1 741	259	636	2 637	63 638	-	139 441	
Veneer - Softwoods	83	-	3 895	1 887	5 865	69 965	165 762	14 720	4 087	7 478	26 286	16 885	-	284 763	
- Hardwoods	-	1	-	-	1	746	1 329	-	103	35	138	13 261	-	15 475	
Plywood - Softwoods	-	-	-	42	42	6 761	18 363	146	1 161	200	1 507	2 584	-	29 257	
- Hardwoods	-	-	217	334	551	2 768	18 569	1 819	112	331	2 261	5 810	-	29 959	
Other wood products	162	20	2 451	5 677	8 311	45 883	166 605	13 084	3 300	5 562	21 946	20 936	-	61 852	
C. Wood pulp and paper products															
Wood pulp - Total	1 969	37	6 844	45 450	54 300	357 040	965 784	60 590	7 166	18 119	85 875	144 768	6	1 607 773	
- Chemical	-	-	747	3 660	4 406	46 679	57 695	11 420	3	48	11 471	22 436	-	142 687	
Paper products	1 969	37	6 097	41 790	49 893	310 361	908 090	49 171	7 163	18 070	74 404	122 332	6	1 332 437	
Book and writing paper	2	3	717	16 840	17 563	68 145	129 516	9 712	889	3 939	14 539	16 608	-	1 465 085	
Tissue and sanitary	26	-	356	667	1 049	16 696	22 955	604	206	229	1 038	1 452	-	43 191	
Wrapping and packaging	-	-	3	293	296	11 052	24 528	4 449	27	132	4 608	1 948	-	42 432	
Paperboard	690	-	552	3 708	4 949	23 050	118 056	3 733	1 315	1 691	6 738	26 547	-	179 342	
Building paper and board	-	-	45	775	820	22 307	31 305	985	135	658	1 778	13 309	-	69 518	
Converted paper	173	-	838	7 731	8 743	50 385	155 220	3 116	156	1 054	4 326	17 623	-	236 297	
Misc. paper products	1 060	33	3 287	10 132	14 512	87 246	294 275	13 307	3 266	6 984	23 557	30 393	6	449 988	
Total forest products	2 217	60	15 110	72 670	90 057	641 704	1 447 778	92 429	16 617	32 903	141 948	362 129	9	2 683 626	

Source: Statistics Canada Special Compilation, International Trade Division.

III - 11. IMPORTS OF FOREST PRODUCTS (QUANTITY) BY COMMODITY GROUP AND PROVINCE OR REGION OF CLEARANCE, 1987

Commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada
A. Primary wood products														
Logs, bolts - Total (1 000 m ³)	-	-	--	186	186	2 603	259	-	--	--	--	45	-	3 093
- Softwood logs	-	-	-	136	136	2 195	22	-	--	--	--	45	-	2 399
Pulpwood - Total (1 000 m ³)	-	-	-	4	4	10	262	-	-	-	-	470	-	746
- Unpeeled	-	-	-	4	4	10	247	-	-	-	-	470	-	731
Wood chips (1 000 t)	-	-	-	82	82	--	6	--	--	--	--	20	-	108
B. Wood-fabricated materials														
Lumber - Softwoods (1 000 m ³)	-	-	1	32	34	133	209	9	2	4	15	351	-	740
- Hardwoods	-	-	20	7	28	209	484	37	8	12	58	41	-	819
Veneer - Softwoods (1 000 m ³)	-	-	-	-	--	2	4	-	--	--	--	72	-	77
- Hardwoods	-	-	-	-	--	7	16	--	1	--	1	2	-	26
Plywood - Softwoods (1 000 m ³)	-	-	-	-	-	2	-	-	-	-	7	-	-	99
- Hardwoods	-	-	-	-	--	41	45	--	--	--	39	-	-	125
Other wood products (1 000 m ³)	--	--	-	2	2	27	39	9	2	3	13	48	-	131
C. Wood pulp and paper products (1 000 t)														
Wood pulp - Total	1	--	3	31	36	270	560	46	4	13	63	127	-	1 056
- Chemical	-	-	1	6	7	72	77	16	--	--	16	33	-	205
Paper products	1	--	2	25	29	198	483	30	4	13	46	95	-	198
Other paper and paperboard	1	--	2	25	29	198	483	30	4	13	46	95	-	851
Book and writing paper	-	-	1	16	16	66	116	8	1	6	15	14	-	226
Fine paper	-	-	-	1	1	20	67	7	1	2	9	11	-	108
Tissue and sanitary	-	-	-	-	--	6	10	--	--	1	1	1	-	19
Wrapping and packaging	-	-	-	-	--	15	21	5	--	--	6	2	-	44
Paperboard	1	-	1	5	7	36	178	7	2	4	13	41	-	275
Building paper and board	-	-	1	1	1	39	36	2	--	1	3	20	-	98
Converted paper	--	--	2	2	16	55	1	--	--	1	6	-	-	81

Source: Statistics Canada Special Compilation, International Trade Division.

III - 12. DOMESTIC EXPORTS^a OF FOREST PRODUCTS (VALUE) BY COMMODITY GROUP AND MAJOR TRADE GROUP, 1987

Commodity	Europe						Asia					
	United States	and Central America	Africa	United Kingdom	Other EEC	Scandi-navia	Europe	USSR	Japan	Asia	Oceania	World
\$000												
A. Primary Wood products												
Logs, bolts - Total	99 613	910	-	22	9 633	3 563	13 378	-	312 892	349 033	75	463 018
- Softwood logs	19 482	-	-	20	2 414	36	2 633	-	262 106	295 564	46	317 725
Pulpwood - Total	15 665	-	-	-	85	-	86	-	260 581	287 326	46	303 073
- Unpeeled	10 545	-	-	-	6 161	3 127	9 287	-	70	1 772	-	21 604
Wood chips	9 570	-	-	-	8	3 127	3 135	-	70	266	-	12 971
Other primary products	22 213	1	-	-	804	-	804	-	50 358	50 428	-	73 446
	47 373	909	-	2	253	400	655	-	358	1 269	29	50 243
B. Wood-fabricated materials												
Lumber - Softwoods	5 251 691	28 423	22 073	437 262	296 209	6 564	745 942	357	848 470	895 244	94 763	7 040 069
- Hardwoods	4 179 019	24 742	19 060	354 727	219 542	281	578 820	-	821 838	850 956	92 004	5 745 025
Shingles and shakes	52 970	267	1 742	10 397	29 932	1 996	42 527	-	9 792	15 983	95	113 610
Veneer - Softwoods	212 226	754	16	953	2 454	-	3 474	-	128	198	774	217 446
- Hardwoods	13 901	-	24	8	55	-	63	-	195	244	-	14 232
Plywood - Softwoods	97 423	145	971	1 015	9 851	2 411	14 008	-	1 040	7 780	275	120 603
- Hardwoods	3 605	486	6	52 098	28 629	1 202	82 123	-	11 030	11 408	277	98 022
Other Wood products	32 817	109	-	33	17	32	81	-	-	46	-	33 069
	659 730	1 920	255	18 031	5 730	643	24 846	357	4 448	8 629	1 338	698 062
C. Wood pulp and paper products												
Wood pulp - Total	9 358 199	434 136	41 608	545 278	1 369 267	22 108	1 994 880	23 004	888 623	1 725 920	159 356	13 738 199
- Chemical	2 461 357	113 255	12 697	265 802	1 149 919	19 769	1 491 269	22 996	744 307	1 299 646	71 684	5 473 035
Paper products	2 368 485	104 420	12 089	209 242	1 144 194	19 034	1 428 250	22 996	686 202	1 217 752	71 641	5 225 764
Newsprint	6 896 842	320 880	28 911	279 477	2 199 351	2 339	503 610	8	144 316	426 274	87 673	8 265 164
Other paper and paperboard	5 084 171	241 142	15 052	195 416	151 210	-	346 702	-	109 243	273 484	68 021	6 028 589
Book and writing paper	1 812 671	79 738	13 859	84 061	68 138	2 339	156 908	8	35 073	152 790	19 651	2 236 574
Fine paper	817 800	10 082	1 658	20 731	6 438	38	27 237	8	152	8 434	3 631	868 865
Tissue and sanitary	106 034	2 359	289	105	226	-	331	-	9	6 767	1 168	116 947
Wrapping and packaging	56 831	834	313	2 033	226	-	2 299	-	-	7 361	2 892	70 548
Paperboard	128 688	7 579	425	18 393	11 928	924	31 245	-	11 940	44 065	76	212 077
Building paper and board	121 858	43 875	7 632	25 269	38 049	526	65 469	-	16 955	63 042	542	302 418
Converted paper	131 906	515	-	9 537	5 182	224	14 943	-	3 468	7 608	94	155 123
Misc. paper products	198 116	2 445	743	3 274	1 805	34	5 188	-	195	7 936	1 071	208 518
	251 439	12 050	2 798	4 720	4 244	593	10 196	-	2 355	14 576	10 177	302 076
Total forest products	14 709 503	463 468	63 681	982 562	1 675 109	32 235	2 754 200	23 362 2 049	985 2 970	197 254	195 21 241	286

^aExcluding re-exports.

Source: Statistics Canada Special Compilation, International Trade Division.

Commodity	Europe						Asia				
	United States	South and Central America	Africa	United Kingdom	Other EEC	Scandinavia	Europe	USSR	Japan	Asia	Oceania
A. Primary wood products											
Logs, bolts - Total (1 000 m ³)	330	-	-	18	--	19	-	2 509	3 174	--	3 523
- Softwood logs	248	-	-	1	-	1	-	2 491	3 027	--	3 277
Pulpwood - Total (1 000 m ³)	524	-	-	181	124	305	-	1	45	--	874
- Unpeeled	489	-	-	--	124	-	1	5	-	618	
Wood chips (1 000 t)	373	-	-	8	-	8	-	521	523	-	904
B. Wood-fabricated materials											
Lumber - Softwoods (1 000 m ³)	34 086	182	129	2 331	835	1	3 175	-	3 142	3 383	338
- Hardwoods	274	1	3	21	46	3	70	-	18	31	--
Shingles and shakes (1 000 m ²)	35 601	113	2	120	364	-	472	-	15	25	117
Veneer - Softwoods (1 000 m ³)	89	-	--	--	--	-	--	1	1	-	91
- Hardwoods	100	--	1	1	10	2	13	-	1	8	--
Plywood - Softwoods (1 000 m ³)	9	1	--	145	76	3	224	-	36	37	1
- Hardwoods	56	--	-	--	--	-	--	-	--	-	57
Other wood products (1 000 m ³)	1 482	--	--	12	9	1	23	-	3	12	2
											1 520
C. Wood pulp and paper products (1 000 t)											
Wood pulp - Total	3 760	179	20	397	1 670	30	2 176	32	1 130	1 971	105
- Chemical	3 552	159	18	299	1 656	29	2 064	32	996	1 780	105
Paper products	9 326	555	43	415	340	3	761	--	215	681	128
Newsprint	7 259	428	26	292	216	-	508	-	152	429	121
Other paper and paperboard	2 067	126	17	123	125	3	253	--	63	252	8
Book and writing paper	1 009	15	2	24	9	--	33	--	9	4	1 070
Fine paper	108	2	--	--	--	-	--	--	8	1	118
Tissue and sanitary	53	1	--	1	--	-	1	-	6	2	64
Wrapping and packaging	160	11	1	29	20	2	52	-	20	76	--
Paperboard	239	98	14	50	80	1	134	-	37	138	1
Building paper and board	437	1	-	16	13	--	30	-	6	14	--
Converted paper	62	--	--	2	--	2	--	-	--	--	66

^aExcluding re-exports.

- 14. DOMESTIC EXPORTS^a OF FOREST PRODUCTS (VALUE) BY MAJOR COMMODITY GROUP AND TRADE AREA^b AND BY PROVINCE OR REGION OF LADING/ORIGIN, 1987

III - 14. DOMESTIC EXPORTS^a OF FOREST PRODUCTS (VALUE) BY MAJOR COMMODITY GROUP AND TRADE AREA^b AND BY PROVINCE OR REGION OF LADING/ORIGIN, 1987 (CONCLUDED)

Trade area/ commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada	%
\$000															
China, People's Rep.	15 882	-	1 304	5 363	22 549	27 951	151	-	-	10	10	199 981	-	249 741	1.2
Softwood lumber	-	-	1 303	1 118	2 421	6 168	-	-	-	-	-	9 875	-	9 875	
Wood pulp	-	-	1 995	17 877	11 623	-	-	-	-	-	-	141 076	-	149 664	
Newsprint	15 882	-	-	-	-	-	-	-	-	-	-	12 127	-	41 628	
Japan	2 568	-	3 020	167 296	172 885	33 780	5 213	1 675	57 269	9 869	68 814	1 769 294	-	2 049 985	9.7
Softwood lumber	-	-	19	-	19	259	12	355	12	237	603	820 945	-	821 838	
Wood pulp	-	-	2 111	82 555	84 666	21 209	70	600	57 224	9 262	67 086	570 575	-	744 307	
Newsprint	2 568	-	754	84 192	87 513	5 195	-	-	-	-	-	16 534	-	109 243	
Southeast Asia	--	-	783	1 437	2 220	18 286	3 337	81	-	322	403	166 667	-	190 913	0.9
Softwood lumber	-	-	-	-	-	-	-	-	-	-	-	60	-	60	
Wood pulp	-	-	-	-	-	-	-	-	-	-	-	108 362	-	109 061	
Newsprint	-	-	-	-	-	-	-	-	-	-	-	28 676	-	41 487	
Australia	8 557	-	1 158	53	9 768	7 984	12 613	2	1	8	10	206 735	-	237 111	1.1
Softwood lumber	-	-	-	-	-	-	52	-	-	-	-	82 581	-	82 581	
Wood pulp	-	-	723	-	723	553	-	-	-	-	-	70 408	-	71 684	
Newsprint	8 557	-	-	53	8 610	3 899	-	-	-	-	-	49 978	-	62 488	
Other countries	3 563	56	15 015	16 483	35 116	86 844	15 355	453	16 354	6 636	23 439	401 492	--	562 244	2.6
Softwood lumber	--	--	242	--	240	143	4	20	--	34	55	19 651	--	20 094	
Wood pulp	--	56	13 093	6 958	20 104	51 330	1	--	16 228	3 005	19 232	279 961	-	370 626	
Newsprint	3 501	-	-	5 091	8 593	16 752	430	--	--	--	--	59 078	-	84 849	
World	371 887	1 415	507 799	1 387 834	2 268 934	4 907 232	3 738 000	189 893	222 939	550 303	963 135	9 363 944	41	21 241 286	100.0
Softwood lumber	265	133	12 613	108 733	121 743	588 417	647 929	57 935	13 597	177 643	249 175	4 137 724	38	5 745 025	
Wood pulp	111	85	230 624	611 501	842 320	565 776	700 559	1 734	194 885	293 237	489 856	2 874 523	-	5 473 035	
Newsprint	294 968	-	233 766	453 309	982 043	2 795 761	1 195 244	63 126	-	130	63 255	992 286	-	6 028 589	

^aExcluding re-exports.

^bSee Section X.B, for details on groupings of trade areas used in this table.

Source: Statistics Canada Special Compilation, International Trade Division.

III - 15. DOMESTIC EXPORTS^a OF FOREST PRODUCTS (QUANTITY) BY MAJOR COMMODITY GROUP AND TRADE AREA^b AND BY PROVINCE OR REGION OF LADING/ORIGIN, 1987

III - 15. DOMESTIC EXPORTS^a OF FOREST PRODUCTS (QUANTITY) BY MAJOR COMMODITY GROUP AND TRADE AREA^b AND BY PROVINCE OR REGION OF LADING/ORIGIN, 1987 (CONCLUDED)

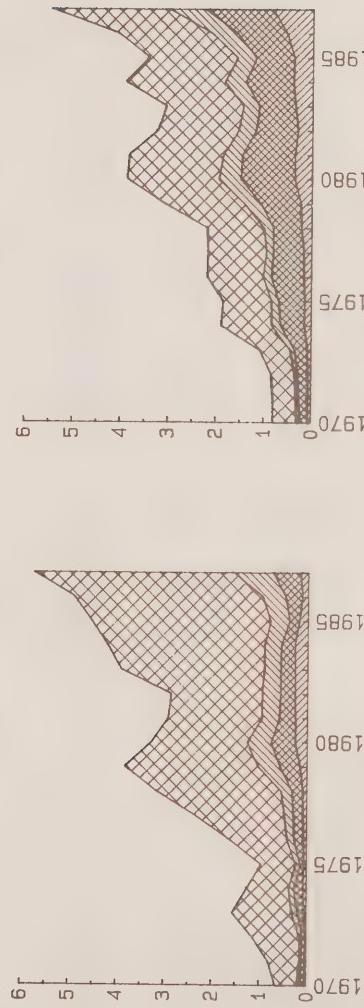
Trade area/ commodity	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Yukon	Canada
China, People's Rep. ³	-	-	-	-	-	-	-	-	-	-	-	-	-	75 212
Softwood lumber (m ³)	-	-	2 000	2 526	4 526	9 982	-	-	-	-	-	-	-	75 212
Wood pulp (t)	-	-	-	2 904	33 120	23 578	-	-	-	-	-	-	-	208 562
Newsprint (t)	30 217	-	-	-	-	-	-	-	-	-	-	-	-	21 282
Japan	-	-	-	38	38	38	828	94	578	198	585	1 362	3 139	389
Softwood lumber (m ³)	-	-	3 455	138 397	141 851	33 514	99	1 020	94 596	13 818	109 434	845 416	-	3 141 711
Wood pulp (t)	-	-	1 533	117 679	124 357	6 102	-	-	-	-	-	-	-	1 130 314
Newsprint (t)	5 145	-	-	-	-	-	-	-	-	-	-	-	-	152 059
Southeast Asia	-	-	-	-	-	-	-	-	-	-	-	-	-	186
Softwood lumber (m ³)	-	-	-	-	-	-	-	-	-	-	-	-	-	158 967
Wood pulp (t)	-	-	-	-	-	-	-	-	-	-	-	-	-	71 730
Newsprint (t)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-	-	320 795
Softwood lumber (m ³)	-	-	1 005	-	1 005	880	-	-	-	-	-	-	-	321 026
Wood pulp (t)	-	-	-	37	19 064	7 465	-	-	-	-	-	-	-	104 652
Newsprint (t)	19 027	-	-	-	-	-	-	-	-	-	-	-	-	111 597
Other countries	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Softwood lumber (m ³)	-	-	1 548	-	1 548	1 286	48	198	-	149	347	49 373	-	52 600
Wood pulp (t)	-	66	17 840	10 767	28 673	81 116	-	-	27 017	4 427	31 444	422 449	-	563 682
Newsprint (t)	7 866	-	-	7 853	15 720	26 581	643	-	-	-	-	91 635	-	134 580
World	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Softwood lumber (m ³)	1 949 1 095	85 026	807 114	895 184	4 709 918	5 260 196	470 459 142	960	1 594 606	2 208 025	28 222	854	208 41 296	384
Wood pulp (t)	164 104	346 253	947 769	1 294 289	814 931	1 035 227	2 838 328	599	453 516	784 953	4 312	167	-	8 241 568
Newsprint (t)	534 826	-	320 269	647 422	1 502 518	3 897 212	1 734 901	99 243	-	377	99 619	1 537 368	-	8 771 618

^aExcluding re-exports.
^bSee Section X.B., for details on groupings of trade areas used in this table.

Source: Statistics Canada Special Compilation, International Trade Division.

EXPORTS BY TRADE AREA
Billions of dollars

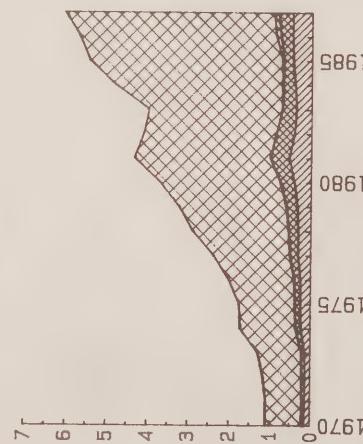
SOFWOOD LUMBER



WOOD PULP



NEWSPRINT



OTHER FOREST PRODUCTS



TOTAL FOREST PRODUCTS



Figure 18. Exports of Canadian forest products by commodity group and principal trade area, 1970-1987.

Source: Statistics Canada, Cat. No. 65-202.

EXPORTS

Billions of dollars

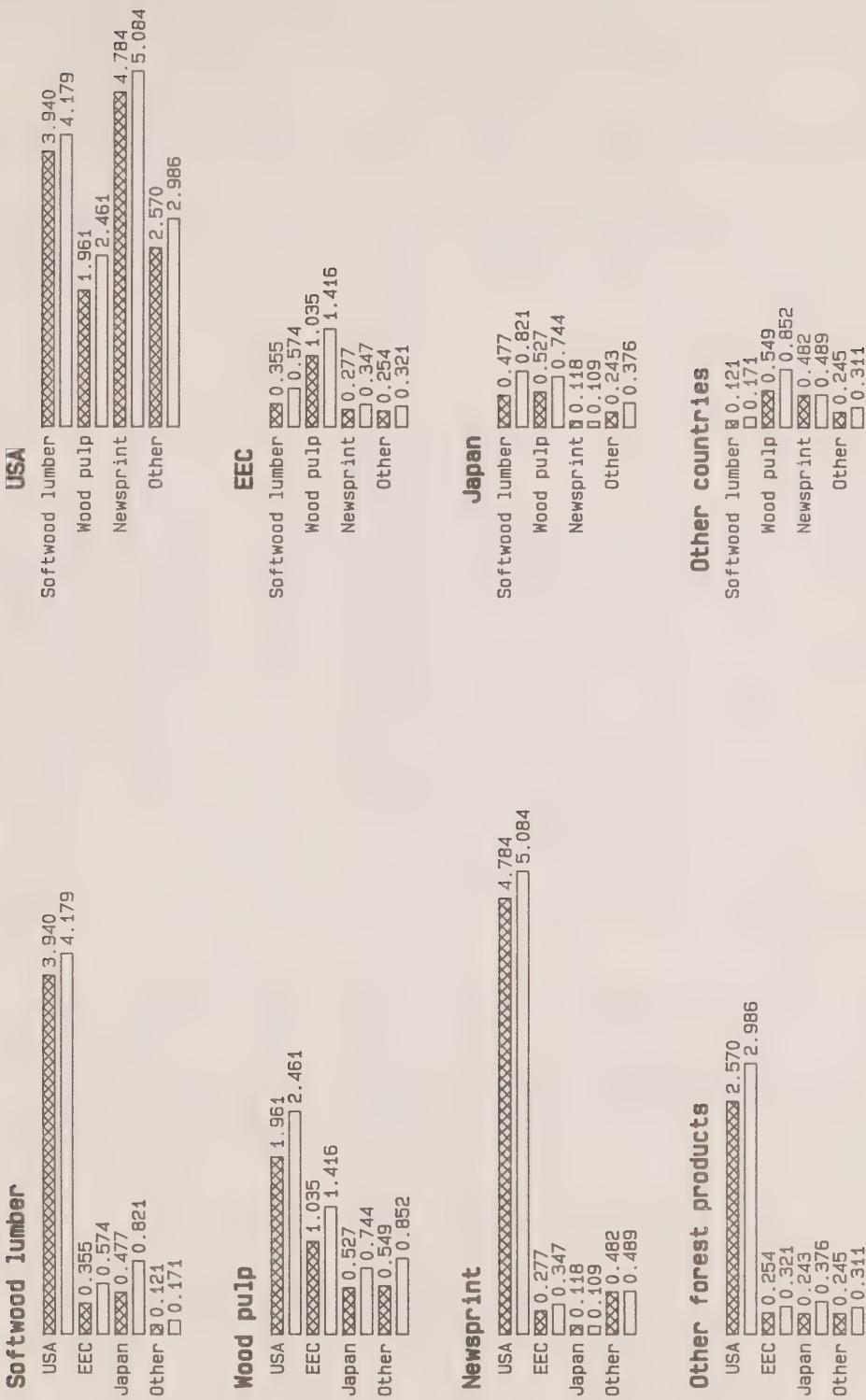


Figure 19. Exports of Canadian forest products by commodity group and principal trade area, 1986-1987.

1986 1987

Source: Statistics Canada, Cat. No. 65-202 and special compilation.

III - 16. DOMESTIC EXPORTS^a OF FOREST PRODUCTS (VALUE) BY MAJOR COMMODITY GROUP AND TRADE AREA^b, 1987

Trade area ^b	Primary wood products		Wood-fabricated materials		Paper products			Total forest products
	Wood chips	Total	Softwood lumber	Total	Wood pulp	Newsprint	Total	
\$000								
United States	22 213	99 613	4 179 019	5 251 691	2 461 357	5 084 171	6 896 842	14 709 503
Central America	1	910	24 305	27 294	35 300	86 499	149 052	212 555
Mexico	-	10	2	171	33 762	7 942	8 459	42 401
South America	-	-	437	1 129	77 955	154 643	171 828	250 913
Brazil	-	-	-	19	5 952	49 752	49 889	55 860
Chile	-	-	35	280	-	-	678	958
Venezuela	-	-	-	281	61 657	35 974	43 189	105 127
Africa	-	-	19 060	22 073	12 697	15 052	28 911	63 681
Algeria	-	-	15 492	15 492	-	1 284	1 294	16 786
Morocco	-	-	-	16	-	162	162	178
Middle East - Africa	-	-	3 429	3 603	2 459	13 592	13 927	19 990
Europe	804	13 378	578 820	745 942	1 491 269	346 702	503 610	2 754 200
Western Europe	804	13 378	578 787	745 487	1 485 262	346 702	503 145	2 747 271
Economic Community	804	9 653	574 269	733 472	1 415 720	346 627	498 827	2 657 671
Belgium-Luxembourg	-	17	55 601	71 323	119 851	3 861	50 930	242 121
Denmark	-	-	468	3 204	2 843	278	361	6 407
France	614	3 016	49 986	61 940	163 474	20 593	24 511	252 940
Germany, Fed. Rep.	-	945	58 118	82 177	414 911	84 822	90 918	588 951
Greece	-	-	278	1 279	13 406	-	491	15 176
Ireland	-	-	8 748	12 483	9 174	2 884	4 025	25 683
Italy	190	5 464	32 837	43 225	289 214	9 426	13 032	350 934
Netherlands	-	-	9 097	13 829	99 893	23 970	27 149	140 871
Portugal	-	89	-	185	554	2 465	4 409	5 237
Spain	-	102	4 409	6 564	36 599	2 911	3 525	46 789
United Kingdom	-	22	354 727	437 262	265 802	195 416	279 477	982 562
Scandinavia	-	3 563	281	6 564	19 769	-	2 339	32 235
Finland	-	-	-	1 626	8 282	-	1 126	11 035
Norway	-	400	18	1 800	-	-	143	2 343
Sweden	-	3 163	263	3 138	11 487	-	1 069	18 857
Other Western Europe	-	162	4 238	5 451	49 774	75	1 979	57 366
Eastern Europe	-	-	33	456	6 007	-	466	6 929
USSR	-	-	-	357	22 996	-	8	23 362
Asia	50 428	349 033	850 956	895 244	1 299 646	273 484	426 274	2 970 197
China, People's Rep.	-	19 962	9 875	10 044	149 664	41 628	70 071	249 741
Hong Kong	-	-	445	3 017	30 692	25 827	40 273	73 981
India	-	181	132	136	43 956	30 727	30 970	75 243
Japan	50 358	312 892	821 838	848 470	744 307	109 243	144 316	2 049 985
Korea, Rep. of (South)	70	12 642	3 302	6 574	117 895	-	10 519	147 630
Middle East - Asia	-	2 412	13 293	16 270	15 132	1 917	17 646	51 461
Southeast Asia	-	321	60	639	109 061	41 487	80 892	190 913
Taiwan	-	622	2 012	9 985	77 419	20 547	27 611	115 638
Oceania	-	75	92 004	94 763	71 684	68 021	87 673	254 195
Australia	-	-	82 633	84 848	71 684	62 488	80 580	237 111
New Zealand	-	75	9 213	9 652	-	4 490	5 550	15 278
World	73 446	463 018	5 745 025	7 040 069	5 473 035	6 028 589	8 265 164	21 241 286

^aExcluding re-exports.^bSee Section X.B, for details on groupings of trade areas used in this table.

Source: Statistics Canada Cat. No. 65-202.

III - 17. DOMESTIC EXPORTS^a OF FOREST PRODUCTS (QUANTITY) BY MAJOR COMMODITY GROUP AND TRADE AREA^b, 1987

Trade area ^b	Primary wood products		Wood-fabricated materials						Paper products		
	Roundwood	Wood chips	Softwood lumber	Shingles and shakes			Other wood products	Wood pulp	Newsprint	Total	
				m ³	t	m ³	m ²	m ³	t	t	t
United States	853 745	373 373	34 085 968	35 601	114	2 009	852	3 760	271	7 258	932
Central America	-	17	180 801	112 775	-	1 719	57 555	151 222	247 626		
Mexico	-	-	24	-	-	-	55 396	10 084	10 381		
South America	-	-	1 239	-	-	115	120 952	276 813	307 178		
Brazil	-	-	-	-	-	-	9 581	89 787	89 952		
Chile	-	-	116	-	-	115	-	-	-	882	
Venezuela	-	-	-	-	-	-	93 972	67 176	77 728		
Africa	-	-	129 422	2 072	4 201	19 923	26 462	43 367			
Algeria	-	-	102 469	-	-	-	2 886	2 900			
Morocco	-	-	-	-	-	-	-	195	195		
Middle East - Africa	-	-	26 047	-	145	4 005	23 362	23 646			
Europe	324 460	7 865	3 174 693	472 031	330 209	2 175 520	508 207	761 010			
Western Europe	324 460	7 865	3 174 634	472 031	329 787	2 168 021	508 207	761 010			
Economic Community	199 556	7 865	3 164 591	463 809	319 037	2 065 407	508 142	755 269			
Belgium-Luxembourg	122	-	232 581	20 095	29 155	165 857	4 822	102 889			
Denmark	-	-	1 659	1 979	4 918	4 426	377	429			
France	32 817	5 635	289 620	71 591	19 362	236 716	21 764	25 325			
Germany, Fed. Rep.	7 175	-	128 920	229 452	38 939	604 762	131 079	138 874			
Greece	-	-	864	-	1 133	18 952	-	518			
Ireland	-	-	54 543	-	6 640	10 555	3 837	4 388			
Italy	158 781	2 230	82 010	3 010	23 087	421 675	15 443	20 158			
Netherlands	-	-	32 111	18 144	15 012	152 938	29 813	35 033			
Portugal	86	-	-	-	183	711	4 257	7 507			
Spain	494	-	11 402	-	2 644	52 228	5 109	5 449			
United Kingdom	82	-	2 330 880	119 538	177 963	396 589	291 641	414 701			
Scandinavia	123 712	-	1 003	-	9 512	30 262	-	3 485			
Finland	-	-	-	-	2 537	12 630	-	1 851			
Norway	-	-	33	-	3 444	-	-	41			
Sweden	123 712	-	970	-	3 531	17 633	-	1 593			
Other Western Europe	1 191	-	9 040	8 222	1 238	72 352	65	2 256			
Eastern Europe	-	-	59	-	422	7 499	-	-			
USSR	-	-	-	-	-	31 569	-	4			
Asia	3 219 304	522 906	3 383 055	25 065	89 850	1 970 944	429 363	681 132			
China, People's Rep.	387 179	-	75 212	-	190	223 070	77 980	138 922			
Hong Kong	-	-	3 028	-	3 207	42 407	39 019	58 139			
India	1 522	-	1 928	-	-	78 408	51 448	51 448			
Japan	2 510 935	521 423	3 141 711	15 208	58 931	1 130 314	152 059	215 184			
Korea, Rep. (South)	272 424	1 483	11 381	7 488	7 873	175 641	-	13 206			
Middle East - Asia	39 647	-	143 531	-	2 572	22 431	2 121	27 645			
Southeast Asia	1 436	-	186	1 858	875	158 967	71 730	127 581			
Taiwan	6 160	-	6 079	511	16 202	123 147	31 814	42 183			
Oceania	154	-	337 971	116 556	3 628	104 652	120 598	128 113			
Australia	-	-	321 026	86 158	3 280	104 652	111 597	118 281			
New Zealand	154	-	16 067	22 687	264	-	7 580	7 894			
World	4 397 662	904 161	41 296 384	36 330 431	2 440 168	8 241 568	8 771 618	11 494 657			

^aExcluding re-exports.^bSee Section X.B, for details on groupings of trade areas used in this table.

III - 18. IMPORTS OF FOREST PRODUCTS (VALUE) BY MAJOR COMMODITY GROUP AND TRADE AREA^a, 1987

Trade area ^a	Primary wood products		Wood-fabricated materials		Paper products		Total forest products	
	Wood chips	Total	Softwood lumber	Total	Wood pulp	Newsprint	Total	
\$000								
United States	6 470	203 263	139 422	718 646	107 942	-	1 141 374	2 171 225
Central America	-	-	-	1 692	1	-	1 978	3 671
Mexico	-	-	-	708	-	-	1 831	2 539
South America	-	6	-	15 978	5 435	-	14 033	35 452
Brazil	-	-	-	13 587	5 435	-	13 743	32 764
Chile	-	-	-	217	-	-	258	475
Venezuela	-	6	-	-	-	-	-	6
Africa	-	-	-	745	-	-	9	755
Algeria	-	-	-	-	-	-	-	-
Morocco	-	-	-	17	-	-	-	17
Middle East - Africa	-	-	-	-	-	-	-	-
Europe	8	1 525	12	28 830	3 528	-	274 336	308 219
Western Europe	8	1 525	12	28 695	3 528	-	273 983	307 731
Economic Community	8	23	7	22 190	2 515	-	175 752	200 480
Belgium-Luxembourg	-	-	-	517	-	-	3 618	4 135
Denmark	-	-	-	1 770	-	-	933	2 703
France	-	11	-	467	-	-	45 692	46 170
Germany, Fed. Rep.	8	12	-	3 579	-	-	43 324	46 915
Greece	-	-	-	14	-	-	-	14
Ireland	-	-	-	-	-	-	19	19
Italy	-	-	-	6 208	-	-	4 552	10 760
Netherlands	-	-	-	555	-	-	20 673	21 229
Portugal	-	-	-	6 127	461	-	23	6 611
Spain	-	-	-	1 083	2 054	-	4 648	7 784
United Kingdom	-	-	7	1 869	-	-	52 270	54 139
Scandinavia	-	1 493	5	6 158	1 013	-	92 277	100 941
Finland	-	1 493	-	3 336	268	-	65 763	70 861
Norway	-	-	-	94	-	-	272	367
Sweden	-	-	5	2 727	745	-	26 242	29 713
Other Western Europe	-	9	-	347	-	-	5 954	6 310
Eastern Europe	-	-	-	135	-	-	353	488
USSR	-	-	-	935	-	-	-	935
Asia	-	175	7	103 876	-	-	33 123	137 173
China, People's Rep.	-	-	-	999	-	-	1 582	2 581
Hong Kong	-	-	-	3 538	-	-	2 218	5 756
India	-	-	-	82	-	-	18	100
Japan	-	-	-	1 968	-	-	24 401	23 369
Korea, Rep. of (South)	-	-	-	7 228	-	-	3 753	10 981
Middle East - Asia	-	-	-	19	-	-	--	19
Southeast Asia	-	-	7	64 157	-	-	659	64 816
Taiwan	-	89	-	25 449	-	-	3 490	29 028
Oceania	-	-	-	182	-	-	233	415
Australia	-	-	-	45	-	-	38	83
New Zealand	-	-	-	137	-	-	194	332
World	6 479	204 969	139 441	870 884	142 687	-	1 465 085	2 683 626

^aSee Section X.B., for details on groupings of trade areas used in this table.

Source: Statistics Canada Cat. No. 65-203.

III - 19. IMPORTS OF FOREST PRODUCTS (QUANTITY) BY MAJOR COMMODITY GROUP AND TRADE AREA^a, 1987

Trade area ^a	Primary wood products		Wood-fabricated materials			Paper products		
	Roundwood	Wood chips	Softwood lumber	Shingles and shakes	Other wood products	Wood pulp	Newsprint	Total
	m ³	t	m ³	m ²	m ³	t	t	t
United States	3 838 161	108 249	740 092	-	1 087 899	154 274	-	644 339
Central America	-	-	-	-	553	-	-	1 529
Mexico	-	-	-	-	57	-	-	1 529
South America	361	-	-	-	52 229	7 235	-	27 867
Brazil	-	-	-	-	49 323	7 235	-	26 942
Chile	-	-	-	-	69	-	-	822
Venezuela	361	-	-	-	-	-	-	-
Africa	-	-	-	-	1 074	-	-	10
Algeria	-	-	-	-	-	-	-	-
Morocco	-	-	-	-	-	-	-	-
Middle East - Africa	-	-	-	-	-	-	-	-
Europe	227	110	229	-	10 217	4 995	-	167 187
Western Europe	227	110	229	-	10 217	4 995	-	166 280
Economic Community	149	110	97	-	5 967	3 606	-	75 623
Belgium-Luxembourg	-	-	-	-	146	-	-	862
Denmark	-	-	-	-	1 045	-	-	34
France	118	-	-	-	18	-	-	23 499
Germany, Fed. Rep.	32	110	-	-	790	-	-	16 117
Greece	-	-	-	-	-	-	-	-
Ireland	-	-	-	-	-	-	-	-
Italy	-	-	-	-	743	-	-	1 791
Netherlands	-	-	-	-	1 794	-	-	12 876
Portugal	-	-	-	-	1 076	588	-	3
Spain	-	-	-	-	147	3 018	-	3 020
United Kingdom	-	-	97	-	208	-	-	17 421
Scandinavia	-	-	132	-	4 118	1 389	-	87 374
Finland	-	-	-	-	1 370	390	-	72 403
Norway	-	-	-	-	76	-	-	94
Sweden	-	-	132	-	2 672	999	-	14 878
Other Western Europe	77	-	-	-	133	-	-	3 283
Eastern Europe	-	-	-	-	-	-	-	906
USSR	-	-	-	-	2 055	-	-	-
Asia	177	-	68	-	123 090	-	-	9 949
China, People's Rep.	-	-	-	-	550	-	-	1 129
Hong Kong	-	-	-	-	3 710	-	-	6
India	-	-	-	-	-	-	-	-
Japan	-	-	-	-	745	-	-	4 941
Korea, Rep. of (South)	-	-	-	-	566	-	-	2 027
Middle East - Asia	-	-	-	-	-	-	-	-
Southeast Asia	-	-	68	-	99 526	-	-	1 670
Taiwan	-	-	-	-	17 495	-	-	177
Oceania	-	-	-	-	193	-	-	132
Australia	-	-	-	-	179	-	-	-
New Zealand	-	-	-	-	14	-	-	132
World	3 838 926	108 359	740 390	-	1 277 312	204 543	-	851 014

^aSee Section X.B, for details on groupings of trade areas used in this table.

III - 20. BALANCE OF TRADE OF FOREST PRODUCTS (VALUE) BY MAJOR COMMODITY GROUP AND TRADE AREA^a, 1987

Trade area ^a	Primary wood products		Wood-fabricated materials		Paper products			Total forest products
	Wood chips	Total	Softwood lumber	Total	Wood pulp	Newsprint	Total	
\$000								
United States	15 743	-103 634 ^b	4 041 505	4 541 946	2 353 886	5 084 243	5 774 974	12 567 173
Central America	1	910	24 312	25 921	35 298	86 499	147 458	209 587
Mexico	-	10	2	-537	33 762	7 942	6 701	39 935
South America	-	-6	437	-14 813	72 520	154 643	157 815	215 517
Brazil	-	-	-	-13 568	517	49 752	36 146	23 096
Chile	-	-	35	86	-	-	440	526
Venezuela	-	-6	-	281	61 657	35 974	43 189	105 121
Africa	-	-	19 060	21 527	12 697	15 052	28 906	63 129
Algeria	-	-	15 492	15 492	-	1 284	1 294	16 786
Morocco	-	-	-	-1	-	162	162	162
Middle East - Africa	-	-	3 429	3 603	2 459	13 592	13 927	19 990
Europe	795	14 975	579 304	788 217	1 488 033	346 705	230 102	2 521 327
Western Europe	795	14 975	579 272	787 897	1 482 026	346 705	229 989	2 514 886
Economic Community	795	12 671	574 693	776 250	1 413 497	346 630	323 895	2 526 314
Belgium-Luxembourg	-	159	55 612	80 289	119 851	3 861	47 430	247 728
Denmark	-	-	482	2 345	2 843	278	-564	4 623
France	614	4 651	49 986	74 019	163 474	20 593	-20 891	221 254
Germany, Fed. Rep.	-8	2 105	58 129	91 451	415 072	84 825	47 748	556 376
Greece	-	-	278	1 575	13 406	-	491	15 472
Ireland	-	-	8 748	13 036	9 174	2 884	4 021	26 231
Italy	190	5 544	32 837	41 500	289 214	9 426	8 480	344 738
Netherlands	-	-	9 097	22 279	99 893	23 970	6 488	128 660
Portugal	-	89	-	-5 932	93	2 465	4 386	-1 365
Spain	-	102	4 409	6 057	34 545	2 911	-1 116	39 587
United Kingdom	-	22	355 115	449 633	265 933	195 416	227 422	943 010
Scandinavia	-	2 070	276	5 892	18 755	-	-89 932	-63 215
Finland	-	-1 493	-	-424	8 014	-	-64 636	-58 538
Norway	-	400	18	2 335	-	-	-129	2 606
Sweden	-	3 163	258	3 979	10 742	-	-25 168	-7 284
Other Western Europe	-	234	4 303	5 755	49 774	75	-3 974	51 788
Eastern Europe	-	-	33	320	6 007	-	113	6 441
USSR	-	-	-	-577	22 996	-	8	22 427
Asia	50 919	350 062	850 992	797 770	1 299 701	273 485	393 607	2 841 141
China, People's Rep.	-	19 962	9 875	9 045	149 664	41 628	68 489	247 160
Hong Kong	-	-	445	-481	30 692	25 827	38 093	68 304
India	-	181	132	54	43 956	30 727	30 952	75 143
Japan	50 849	313 509	821 878	851 347	744 307	109 244	123 205	2 032 367
Korea, Rep. of (South)	70	12 917	3 302	-434	117 895	-	6 793	137 170
Middle East - Asia	-	2 412	13 297	16 645	15 132	1 917	17 660	51 849
Southeast Asia	-	457	52	-63 414	109 061	41 487	80 308	126 412
Taiwan	-	709	2 012	-14 662	77 474	20 547	24 133	87 654
Oceania	-	75	92 049	94 683	71 684	68 021	87 459	253 901
Australia	-	-	82 678	84 892	71 684	62 488	80 560	237 136
New Zealand	-	75	9 213	9 528	-	4 490	5 356	14 959
World	67 458	262 392	5 608 084	6 256 250	5 331 165	6 028 664	6 821 294	18 671 100

^aSee Section X.B, for details on groupings of trade areas used in this table.^bThe - sign means deficit.

III - 21. BALANCE OF TRADE OF FOREST PRODUCTS (QUANTITY) BY MAJOR COMMODITY GROUP AND TRADE AREA^a, 1987

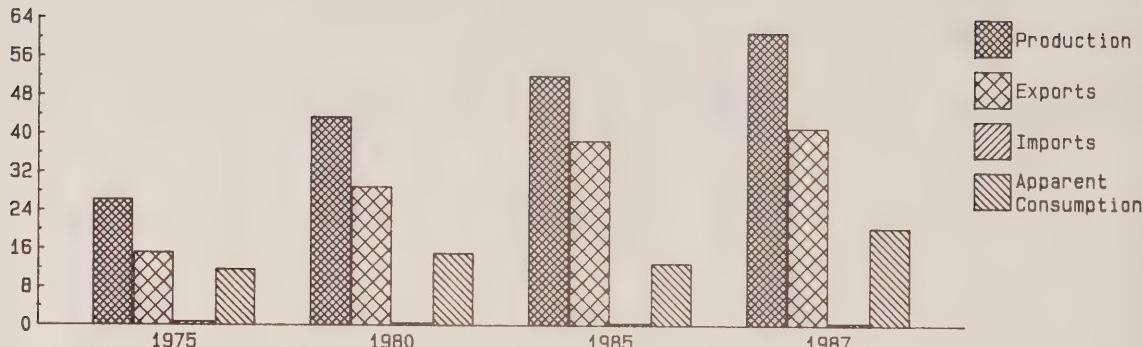
Trade area ^a	Primary wood products			Wood-fabricated materials					Paper products		
	Roundwood	Wood chips	Softwood lumber	Shingles and shakes		Other wood products	Wood pulp	Newsprint	Total		
				m ³	t				m ³	t	
United States	-2 984 312	265 123	33 354 239	35 645 754	927 857	3 606 480	7 259 022	8 685 498			
Central America	-	17	180 832	112 775	1 497	57 555	151 222	246 097			
Mexico	-	-	24	-	-57	55 396	10 084	8 852			
South America	-361	-	1 239	-	-52 102	113 717	276 813	279 316			
Brazil	-	-	-	-	-49 323	2 346	89 787	63 010			
Chile	-	-	116	-	46	-	-	64			
Venezuela	-361	-	-	-	-	93 972	67 176	77 728			
Africa	-	-	129 422	2 072	3 485	19 923	26 462	43 359			
Algeria	-	-	102 469	-	-	-	2 886	2 900			
Morocco	-	-	-	-	-	-	195	195			
Middle East - Africa	-	-	26 047	-	145	4 005	23 362	23 646			
Europe	339 852	7 755	3 177 001	472 031	434 632	2 170 538	508 219	594 072			
Western Europe	339 852	7 755	3 176 942	472 031	434 210	2 163 039	508 219	594 978			
Economic Community	214 890	7 755	3 166 878	463 809	420 180	2 061 814	508 154	679 895			
Belgium-Luxembourg	1 264	-	232 644	20 095	46 346	165 857	4 822	102 038			
Denmark	-	-	1 682	1 979	5 128	4 426	377	395			
France	42 208	5 635	289 620	71 591	38 322	236 716	21 764	1 935			
Germany, Fed. Rep.	11 868	-110	128 950	229 452	59 094	604 767	131 091	122 840			
Greece	-	-	864	-	1 664	18 952	-	518			
Ireland	-	-	54 543	-	7 383	10 555	3 837	4 388			
Italy	158 889	2 230	82 010	3 010	31 973	421 675	15 443	18 368			
Netherlands	-	-	32 111	18 144	27 501	152 938	29 813	22 156			
Portugal	86	-	-	-	-857	123	4 257	7 504			
Spain	494	-	11 402	-	3 822	49 210	5 109	2 428			
United Kingdom	82	-	2 333 049	119 538	199 806	396 596	291 641	397 327			
Scandinavia	123 712	-	871	-	12 195	28 873	-	-83 889			
Finland	-	-	-	-	2 866	12 240	-	-70 552			
Norway	-	-	33	-	4 143	-	-	-53			
Sweden	123 712	-	838	-	5 186	16 633	-	-13 285			
Other Western Europe	1 250	-	9 194	8 222	1 835	72 352	65	-1 027			
Eastern Europe	-	-	59	-	422	7 499	-	-906			
USSR	-	-	-	-	-2 055	31 569	-	4			
Asia	3 224 128	528 137	3 383 088	25 065	-24 776	1 971 042	429 364	671 199			
China, People's Rep.	387 179	-	75 212	-	-360	223 070	77 980	137 793			
Hong Kong	-	-	3 028	-	-502	42 407	39 019	58 133			
India	1 522	-	1 928	-	-	78 408	51 448	51 448			
Japan	2 512 584	526 653	3 141 801	15 208	64 230	1 130 314	152 060	210 244			
Korea, Rep. of (South)	274 861	1 483	11 381	7 488	7 634	175 641	-	11 179			
Middle East - Asia	39 647	-	143 543	-	3 095	22 431	2 121	27 645			
Southeast Asia	2 034	-	118	1 858	-98 543	158 967	71 730	125 926			
Taiwan	6 478	-	6 079	511	167	123 245	31 814	42 006			
Oceania	154	-	338 078	116 556	3 577	104 652	120 598	127 981			
Australia	-	-	321 132	86 158	3 176	104 652	111 597	118 281			
New Zealand	154	-	16 067	22 687	316	-	7 580	7 762			
World	579 461	801 033	40 567 132	36 375 071	1 292 709	8 037 619	8 771 720	10 647 736			

^aSee Section X.B., for details on groupings of trade areas used in this table.

Source: Statistics Canada Cat. No. 65-202 and 65-203.

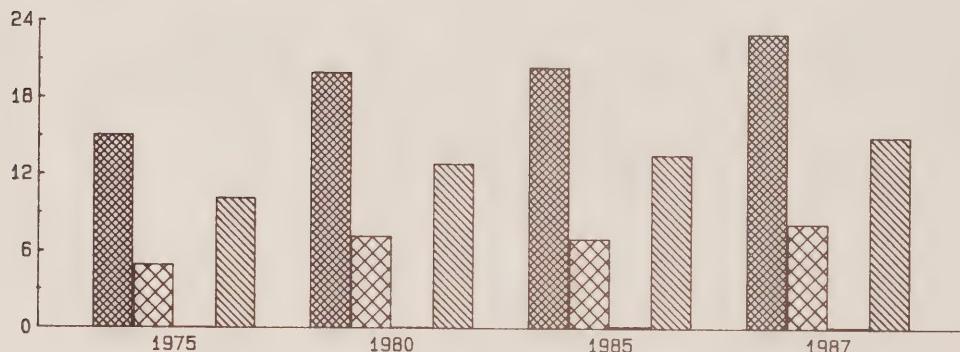
SOFTWOOD LUMBER

Millions of cubic metres



WOOD PULP

Millions of tonnes



NEWSPRINT

Millions of tonnes

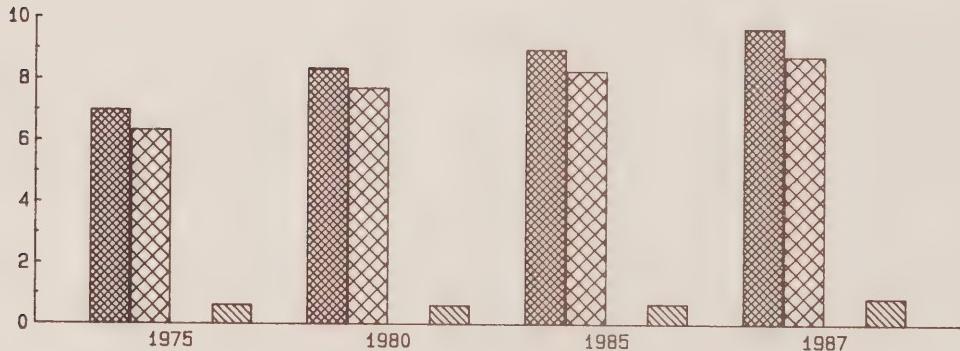


Figure 20. Production, trade and apparent domestic consumption of selected forest products, 1975-1987.

Source: Statistics Canada, Cat. No. 25-201, 35-204, 36-204, 65-202 and 65-203.

SECTION IV

PRINCIPAL STATISTICS

The **Census of Manufactures** is an annual survey of establishments primarily engaged in manufacturing, together with associated head offices, sales offices, and auxiliary units classified according to manufacturing industries. An establishment, usually a plant or a mill, is the smallest operating unit for which it is possible to provide a specified range of basic industrial statistics (essentially, employment data and the elements of input and output necessary to calculate value added).

Establishments providing data for the **Census of Manufactures** are classified according to the Standard Industrial Classification (SIC) system. Data are assigned to the various industries on the basis of the principal activity of the establishment.

This classification system is revised every 10 years and commencing with the 1983 data year, the **Census of Manufactures** has been compiled according to the 1980 version of the SIC.

In this section, 1970-1981 data have been compiled according to the 1970 version of the SIC and 1982-1986 according to the 1980 version.

Detailed definitions of all industries covered by this section can be found in the publication "Standard Industrial Classification, 1980," Catalogue 12-501.

The headings used in the principal statistics tables are briefly described in section X.A, "User's guide - Definition of terms." For detailed definitions and some qualifications to the preceding explanations, see "Concepts and Definitions of the **Census of Manufactures**," Catalogue 31-528.

IV - 1. FOREST INDUSTRIES BY SECTOR, 1986

Sector	Establishments	Manufacturing activity						Total activity		
		Production and related workers			Total employees ^a			Number	\$000 000	Number
		Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added			
Logging	4 000	40 862	75 012	1 125	220	3 255	5 776	2 260	45 760	1 313
Wood industries	3 578	94 888	195 281	2 295	351	6 659	12 433	5 473	110 966	2 856
Paper and allied industries	698	88 880	187 139	2 893	1 699	9 358	20 067	8 935	117 063	4 003
Total forest industries (A)	8 276	224 630	457 432	6 313	2 270	19 272	38 276	16 668	273 789	8 172
Total manufacturing industries	38 380	1 351 563	2 852 526	33 083	7 032	143 336	253 411	102 429	1 808 716	48 749
Logging and manufacturing industries (B)	42 380	1 392 425	2 927 538	34 208	7 252	146 591	259 187	104 689	1 854 476	50 062
Percentage A from B	19.5	16.1	15.6	18.5	31.3	13.1	14.8	15.9	14.8	16.3
										15.2

^aExcluding 2366 working owners and partners in the forest sector.

Source: Statistics Canada Cat. No. 25-201, 25-202, and 31-203.

STANDARD INDUSTRIAL CLASSIFICATION

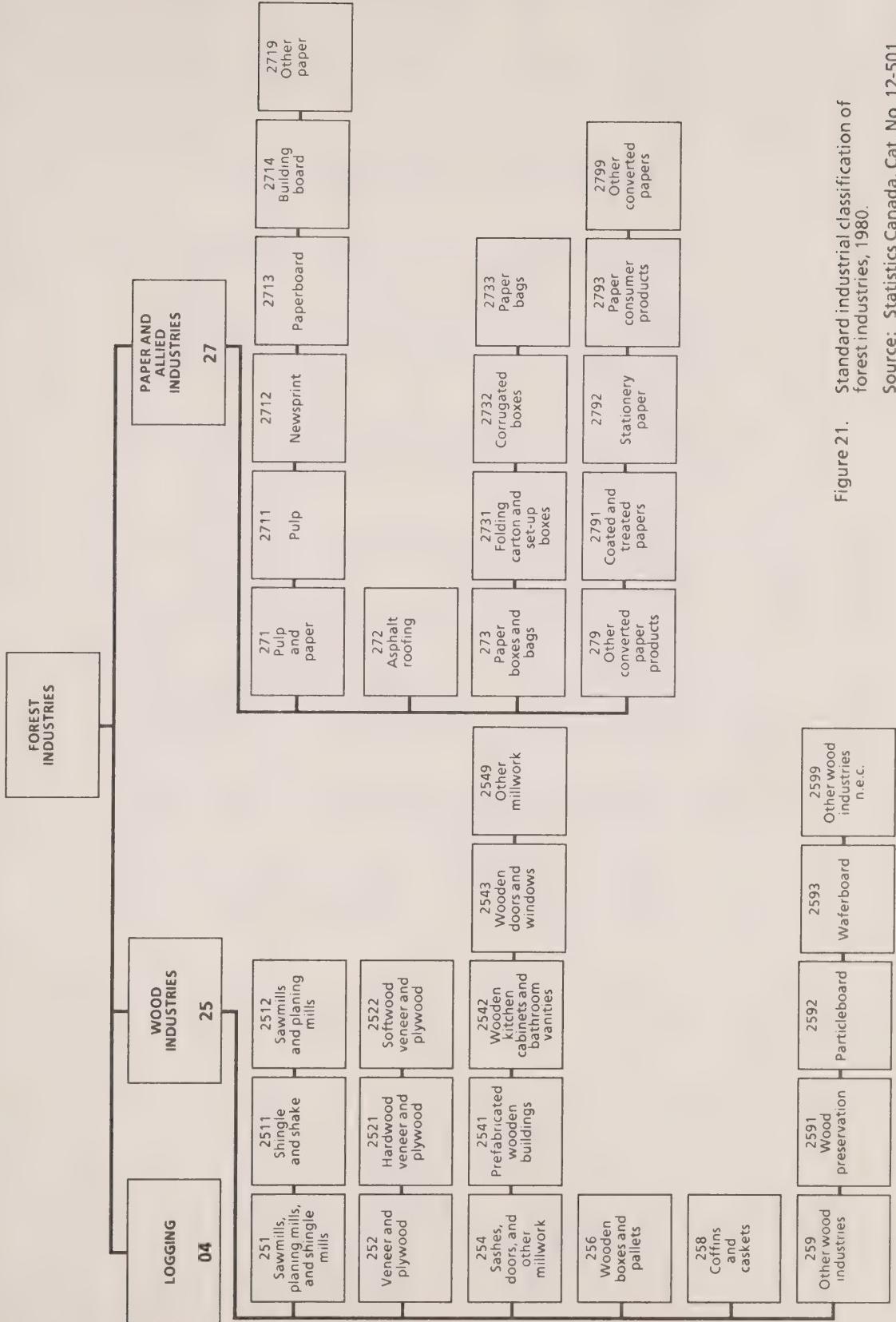


Figure 21.

Standard industrial classification of forest industries, 1980.

Source: Statistics Canada, Cat. No. 12-501.

IV - 2. WOOD INDUSTRIES, 1986

Sector	S.I.C. ^b	Establishments	Number	Manufacturing activity				Total activity			
				Production and related workers				Materials and supplies		Salaries and wages	
				Person-hours paid	Wages	Fuel and electricity	Wages	Materials and supplies	Value added	Value added	Number
			1 000			\$000 000					\$000 000
Sawmill, planing mill, and shingle mill products	251	1 294	50 708	103 676	1 401	241	4 104	7 618	3 295	59 238	1 723
Shingle and shake industry	2 511	134	2 405	4 285	55	5	138	231	86	2 550	60
Sawmills and planing mills	2 512	1 160	48 303	99 391	1 346	236	3 966	7 387	3 209	56 688	1 663
Veneer and plywood industry	252	78	7 679	14 476	185	30	455	916	434	8 780	225
Sash, door, and other millwork	254	1 599	25 905	54 835	494	35	1 378	2 589	1 195	30 692	640
Prefabricated wooden building industry	2 541	89	2 059	4 322	38	3	193	311	117	2 857	63
Wooden kitchen cabinet, bathroom vanity industry	2 542	747	8 073	16 772	150	8	283	624	335	9 305	185
Wooden door and window ind.	2 543	386	8 976	19 196	173	13	569	1 023	450	10 849	232
Other millwork industries	2 549	377	6 797	14 545	133	11	333	631	293	7 681	160
Wooden box and pallet industry	256	206	2 676	5 443	43	5	120	218	93	3 084	54
Coffin and casket industry	258	27	622	1 316	12	1	19	43	24	717	15
Other wood industries	259	374	7 298	15 536	160	40	583	1 049	433	8 455	200
Wood preservation	2 591	59	1 190	2 328	28	6	174	250	74	1 490	39
Particleboard	2 592	25	1 541	3 539	42	14	154	296	128	1 911	55
Waferboard	2 593	11	1 182	2 572	36	14	118	248	117	1 393	44
Other wood industries	2 599	279	3 385	7 097	54	6	137	255	114	3 661	62
Wood industries	25	3 578	94 888	195 281	2 295	351	6 659	12 433	5 473	110 966	2 856

^aExcluding 769 working owners and partners.^b1980 Standard Industrial Classification.

Source: Statistics Canada Cat. No. 35-250.

IV - 3. PAPER AND ALLIED INDUSTRIES, 1986

Sector	S.I.C. ^b	Establishments	Number	Manufacturing activity				Total activity			
				Production and related workers				Employees ^a			
				Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Salaries and wages	Total value added
			1 000				\$000 000			Number	\$000 000
Pulp and paper industries	271	142	60 386	128 137	2 189	1 619	6 335	15 072	7 020	79 570	2 999
Pulp industry	2 711	38	14 366	30 951	548	363	2 037	4 267	1 775	18 506	739
Newsprint industry	2 712	42	29 420	61 703	1 085	895	2 607	7 183	3 668	38 892	1 493
Newspaperboard industry	2 713	28	6 253	13 171	219	197	594	1 470	671	7 998	284
Building board industry	2 714	6	803	1 630	22	14	31	101	54	932	27
Other paper industries	2 719	28	9 544	20 681	316	150	1 066	2 051	852	13 242	457
Asphalt roofing industry	272	19	1 333	2 838	35	15	233	450	198	1 904	54
Paper box and bag industries	273	253	14 996	30 960	391	33	1 567	2 496	895	19 214	533
Folding carton and set-up box industry	2 731	106	5 487	11 363	137	8	448	784	328	6 759	180
Corrugated box industry	2 732	118	7 899	16 385	217	22	964	1 462	473	10 370	300
Paper bag industry	2 733	29	1 610	3 212	37	3	155	250	94	2 085	53
Other converted paper products industries	279	284	12 165	25 205	277	30	1 221	2 047	822	16 375	417
Coated and treated paper	2 791	52	2 854	6 004	59	8	299	496	198	3 890	90
Stationary paper products	2 792	71	2 951	6 241	64	4	207	384	183	4 066	98
Paper consumer products	2 793	17	1 650	3 246	45	3	294	452	156	2 363	73
Other converted paper products	2 799	144	4 710	9 714	109	15	421	715	285	6 056	156
Paper and allied industries	27	698	88 880	187 139	2 893	1 699	9 358	20 067	8 935	117 063	4 003
											8 917

^aExcluding 21 working owners and partners.
b1980 Standard Industrial Classification.

Source: Statistics Canada Cat. No. 36-250.

IV - 4. FOREST INDUSTRIES SUMMARY^a, 1965-1986

Year	Establishments	Manufacturing activity						Total activity		
		Production and related workers						Total employees ^b		
		Number	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Salaries and wages	Total value added
		1 000		\$000 000		\$000 000		Number	\$000 000	
1965	7 363	216 375	475 944	1 046	215	2 855	5 555	2 530	262 469	1 349 2 581
1970	6 613	210 714	453 298	1 475	279	3 782	7 264	3 224	261 139	1 942 3 313
1971	6 242	208 625	445 902	1 592	318	4 006	7 731	3 433	258 839	2 090 3 519
1972	6 533	219 284	467 590	1 810	347	4 628	9 091	4 090	271 010	2 364 4 213
1973	6 840	237 514	500 889	2 155	398	5 844	11 431	5 387	292 324	2 793 5 562
1974	7 010	239 726	505 789	2 511	570	6 947	14 033	6 772	297 386	3 281 6 937
1975	6 330	222 915	446 718	2 489	562	6 574	13 110	6 151	278 681	3 336 6 286
1976	5 679	230 527	475 417	3 118	748	8 191	15 961	7 281	286 263	4 064 7 428
1977	5 320	229 348	471 405	3 455	901	8 912	17 888	8 130	282 568	4 482 8 234
1978	5 906	243 312	503 793	3 944	1 077	10 491	21 109	9 610	299 540	5 076 9 762
1979	6 784	249 993	517 679	4 416	1 244	12 964	25 317	11 520	307 580	5 680 11 830
1980	7 368	243 736	503 124	4 750	1 411	14 247	27 459	12 062	301 987	6 180 12 285
1981	7 428	233 790	473 013	5 011	1 703	14 841	28 601	12 180	291 996	6 624 12 295
1982	7 100	201 420	399 323	4 667	1 886	13 252	25 424	10 147	254 875	6 315 10 234
1983	7 633	211 645	431 978	5 355	2 109	15 370	29 326	11 976	262 216	6 987 12 085
1984	7 933	219 800	446 869	5 680	2 375	16 950	32 809	13 684	269 913	7 381 13 734
1985	7 903	218 198	450 073	6 003	2 419	17 935	34 659	14 346	267 709	7 779 14 399
1986	8 276	224 630	457 432	6 313	2 270	19 272	38 276	16 668	273 789	8 172 16 737

^aLogging, wood industries, and paper and allied industries.^bExcluding working owners and partners.

Source: Statistics Canada Cat. No. 25-201, 25-202, and 31-203.

IV - 5. FOREST INDUSTRIES SUMMARY BY PROVINCE, 1986

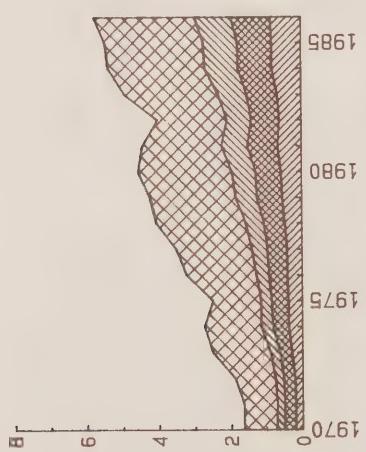
Province or territory	Estab- lishments	Manufacturing activity						Total activity		
		Production and related workers			Materials and supplies			Value of shipments of goods	Value added	Number
		Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value added	\$000 000			
		1 000								
Nfld.	127	x	x	x	x	x	x	x	x	x
P.E.I.	31	174	342	2	--	8	13	4	225	4
N.S.	314	5 218	10 987	121	74	380	825	368	6 435	165
N.B.	405	11 165	23 375	303	190	1 002	1 931	729	13 526	390
Que.	2 144	67 753	140 172	1 759	724	5 189	10 793	4 808	84 724	2 343
Ont.	1 797	61 799	130 088	1 646	509	5 264	10 030	4 311	75 808	2 168
Man.	156	3 338	6 972	76	25	251	508	227	4 082	102
Sask.	152	x	x	x	x	x	x	x	x	229
Alta.	379	7 232	14 757	206	42	638	1 207	530	8 828	264
B.C.	2 771	63 220	120 989	2 066	627	6 136	12 120	5 341	74 306	2 567
Yukon and N.W.T.	-	-	1	1	-	-	1	-	-	1
Total	8 276	224 630	457 432	6 313	2 270	19 272	38 276	16 668	273 789	8 172
										16 737

^aExcluding 2366 working owners and partners.

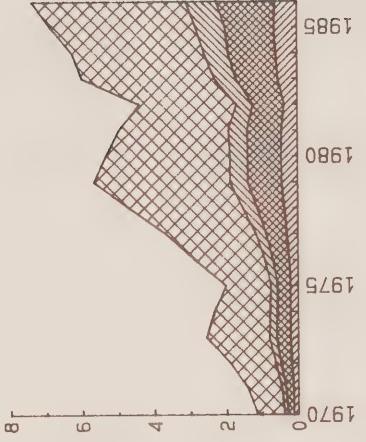
Source: Statistics Canada Cat. No. 25-201 and 25-202.

VALUE OF SHIPMENTS
Billions of dollars

LOGGING



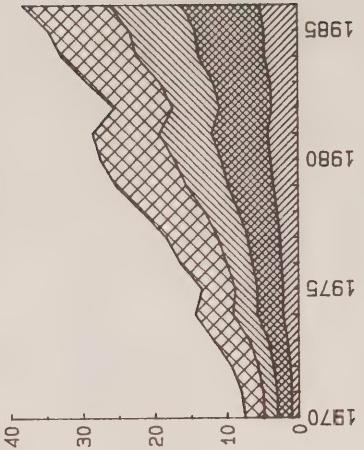
SAWMILLS AND PLANING MILLS



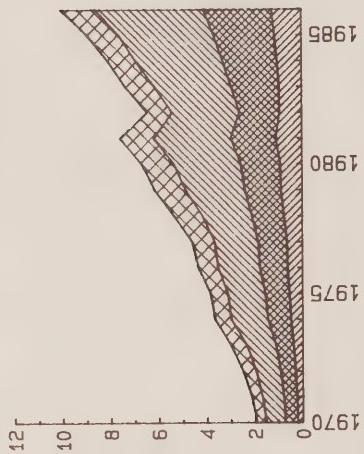
Legend:

- British Columbia
- Columbia
- Ontario
- Quebec
- Other provinces

TOTAL FOREST INDUSTRIES



OTHER FOREST INDUSTRIES



PULP AND PAPER MILLS



Figure 22. Value of shipments of goods of own manufacture in the forest industries by sector and region, 1970-1986.

Source: Statistics Canada, Cat. No. 25-201 and 25-202.

IV - 6. LOGGING BY PROVINCE, 1986

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Province or territory	Establish- ments	Manufacturing activity						Total activity		
		Production and related workers			Materials and supplies			Value of shipments of goods	Salaries and wages	Total value added
		Person- hours paid	Wages	Fuel and electricity	Materials	and supplies	Number			
		1 000	\$000 000	\$000 000	\$000 000	\$000 000	\$000 000			
Nfld.	63	925	1 775	20	4	61	95	32	1 067	26
P.E.I.	9	18	27	--	--	1	--	18	--	33
N.S.	172	1 048	1 925	17	4	107	147	37	1 246	24
N.B.	232	2 512	5 060	56	18	223	365	127	2 970	70
Atlantic provinces	476	4 503	8 787	93	26	391	608	196	5 301	120
Que.	809	9 027	17 230	222	45	549	1 096	452	10 363	268
Ont.	570	7 419	14 551	230	50	537	1 015	447	8 527	272
Man.	38	289	612	9	1	34	54	18	352	12
Sask.	76	421	660	10	4	51	91	34	506	13
Alta.	124	754	1 406	24	5	61	114	47	863	29
Prairies	238	1 464	2 678	43	10	146	259	99	1 721	54
B.C.	1 907	18 449	31 765	537	90	1 633	2 796	1 066	19 848	600
Yukon and N.W.T.	-	-	1	1	-	-	1	-	-	1 076
Total	4 000	40 862	75 012	1 125	220	3 255	5 776	2 260	45 760	1 313
										2 297

^aExcluding 1576 working owners and partners.

Source: Statistics Canada Cat. No. 25-201 and 25-202.

IV - 7. WOOD INDUSTRIES BY PROVINCE, 1986

Province or territory	Estab- lishments	Number	Manufacturing activity						Total activity		
			Production and related workers			Materials and supplies			Value of shipments of goods	Value added	Salaries and wages
			Person- hours paid	Wages	Fuel and electricity						
		1 000				\$000 000			Number	\$000 000	
Nfld.	56	296	624	5	1	15	23	7	399	5	8
P.E.I.	22	156	315	2	--	8	12	4	207	4	7
N.S.	127	1 762	3 834	28	5	78	148	67	2 053	35	70
N.B.	154	3 712	8 047	71	14	232	401	155	4 205	85	156
Atlantic provinces	359	5 926	12 820	106	20	333	584	233	6 864	129	241
Que. Ont.	1 127 898	27 035 22 598	56 514 48 409	526 471	83 66	1 686 1 351	3 049 2 485	1 268 1 084	31 891 25 852	660 583	1 284 1 091
Man. Sask. Alta. Prairies	96 71 225 392	1 871 1 024 4 731 7 626	3 761 2 080 9 635 15 476	34 24 125 183	3 6 19 28	93 76 335 504	184 137 640 961	87 59 295 441	2 223 1 264 5 668 9 155	46 31 157 234	88 58 313 459
B.C. Yukon and N.W.T.	802 - -	31 703 - -	62 062 - -	1 009 - -	153 - -	2 785 - -	5 354 - -	37 204 - -	1 250 - -	2 448 - -	
Total	3 578	94 888	195 281	2 295	351	6 659	12 433	5 473	110 966	2 856	5 523

a Excluding 769 working owners and partners.

Source: Statistics Canada Cat. No. 25-202.

IV - 8. PAPER AND ALLIED INDUSTRIES BY PROVINCE, 1986

101

Province or territory	Establishments	Number	Manufacturing activity				Total activity		
			Production and related workers		Materials and supplies		Value of shipments of goods	Value added	Salaries and wages
			Person- hours paid	Wages	Fuel and electricity				Total value added
									\$000 000
Nfld.	8	x	x	x	x	x	x	x	x
P.E.I.	-	-	-	-	-	-	-	-	-
N.S.	15	2 408	5 228	76	65	195	530	264	3 136
N.B.	19	4 941	10 268	176	158	547	1 165	447	6 351
Que. Ont.	208 329	31 691 31 782	66 428 67 128	1 011 945	596 393	2 954 3 376	6 648 6 530	3 088 2 780	42 470 41 429
Man. Sask.	22 5	1 178 1 747	2 599 3 716	33 57	21 18	124 242	270 453	122 188	1 507 2 297
Alta.	30	x	x	x	x	x	x	x	x
B.C.	62	13 068	27 162	520	384	1 718	3 970	1 828	17 254
Yukon and N.W.T.	-	-	-	-	-	-	-	-	-
Total	698	88 880	187 139	2 893	1 699	9 358	20 067	8 935	117 063
									4 003
									8 917

^aExcluding 21 working owners and partners.

Source: Statistics Canada Cat. No. 25-202.

IV - 9. INDUSTRIAL ROUNDWOOD PRODUCTION AND VALUE ADDED BY THE FOREST INDUSTRY, 1970-1986

Year	Industrial roundwood production	Value added, manufacturing activity						Value added, total activity					
		Paper and allied industries			Wood industries			Paper and allied industries			Wood industries		
		Sawmills,	Logging	Total	Pulp and paper industries	Total	Total forest industries	Sawmills,	Logging	Total	Pulp and paper industries	Total	Total forest industries
1 000 m ³													
1970	117 324	683	436	790	1 323	1 781	3 254	694	439	802	1 331	1 817	3 313
1971	117 991	686	572	1 003	1 273	1 772	3 461	698	574	1 017	1 277	1 804	3 519
1972	120 748	814	865	1 397	1 374	1 928	4 139	829	869	1 422	1 380	1 962	4 213
1973	140 343	1 089	1 275	1 947	1 804	2 439	5 475	1 109	1 280	1 977	1 813	2 476	5 562
1974	134 416	1 221	976	1 708	3 034	3 888	6 817	1 244	983	1 748	3 049	3 945	6 937
1975	111 497	1 098	849	1 655	2 569	3 398	6 151	1 126	851	1 690	2 601	3 470	6 286
1976	135 227	1 300	1 262	2 207	2 845	3 774	7 281	1 348	1 268	2 236	2 876	3 844	7 428
1977	141 580	1 400	1 719	2 726	3 056	4 004	8 130	1 440	1 723	2 762	3 070	4 032	8 234
1978	150 918	1 564	2 257	3 507	3 504	4 539	9 610	1 647	2 260	3 550	3 508	4 565	9 762
1979	156 464	1 822	2 610	3 965	4 539	5 733	11 520	2 053	2 617	4 021	4 531	5 756	11 830
1980	150 649	1 927	2 085	3 398	5 350	6 737	12 062	2 049	2 089	3 466	5 355	6 770	12 285
1981	139 084	1 857	1 828	3 379	5 406	6 944	12 180	1 883	1 827	3 447	5 401	6 965	12 295
1982	121 343	1 616	1 489	2 662	4 535	5 869	10 147	1 650	1 494	2 708	4 515	5 876	10 234
1983	150 724	2 105	2 455	3 942	4 410	5 929	11 976	2 152	2 463	3 993	4 380	5 940	12 085
1984	160 867	2 172	2 410	4 006	5 845	7 506	13 684	2 191	2 410	4 051	5 802	7 492	13 734
1985	161 985	2 167	2 777	4 624	5 773	7 555	14 346	2 187	2 786	4 688	5 720	7 524	14 399
1986	170 263	2 260	3 209	5 473	7 020	8 935	16 668	2 297	3 216	5 523	6 974	8 917	16 737

Source: Statistics Canada Cat. No. 25-201 and 25-202.

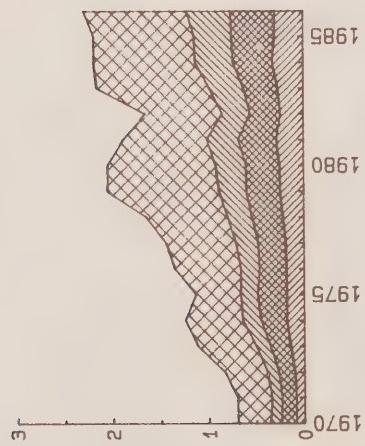
IV - 10. INDUSTRIAL ROUNDWOOD PRODUCTION AND VALUE ADDED BY THE FOREST INDUSTRY BY PROVINCE, 1986

Province or territory	Industrial roundwood production	Value added, manufacturing activity						Value added, total activity						
		Wood industries			Paper and allied industries			Wood industries			Paper and allied industries			
		Sawmills, planing mills	Logging	Total	Pulp and paper industries	Total	Total forest industries	Sawmills, planing mills	Logging	Total	Pulp and paper industries	Total	Total forest industries	
	1 000 m ³			\$000 000			%			\$000 000			%	
Nfld.	1 966	32	5	7	x	x	x	33	5	8	x	x	x	
P.E.I.	160	--	1	4	x	-	4	1	1	7	x	-	x	
N.S.	3 533	37	40	67	238	264	368	2.2	40	40	233	259	--	
N.B.	8 380	127	91	155	433	447	729	4.4	128	92	156	427	369	
Atlantic provinces	14 039	196	137	233	x	x	x	202	138	241	x	x	2.2	
Que.	32 526	452	647	1 268	2 547	3 088	4 808	28.8	464	652	1 284	2 547	4 847	
Ont.	27 859	447	322	1 084	1 686	2 780	4 311	25.9	456	323	1 091	1 680	2 790	
Man.	1 590	18	9	87	x	122	227	1.4	17	9	88	x	124	
Sask.	3 339	34	21	59	x	x	x	36	21	58	x	x	229	
Alta.	10 298	47	146	295	x	188	530	3.2	46	145	313	x	x	
Prairies	15 227	99	176	441	x	x	x	99	175	459	x	186	545	
B.C.	77 503	1 066	1 928	2 447	1 724	1 828	5 341	32.0	1 076	1 928	2 448	1 694	1 799	
Yukon and N.W.T.	-	-	-	-	-	-	x	-	-	-	-	-	-	
Total	167 154	2 260	3 209	5 473	7 020	8 935	16 668	100.0	2 297	3 216	5 523	6 974	8 917	16 737
													100.0	

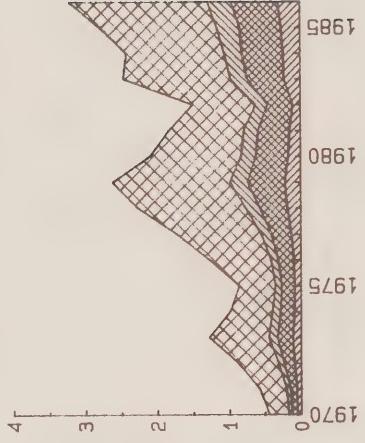
Source: Statistics Canada Cat. No. 25-201 and 25-202.

TOTAL VALUE ADDED
Billions of dollars

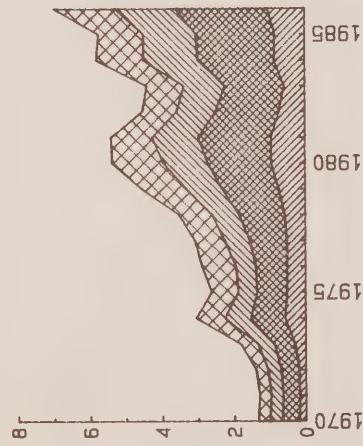
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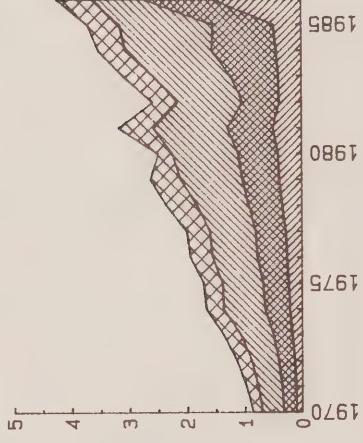
SAWMILLS AND PLANING MILLS



PULP AND PAPER MILLS



OTHER FOREST INDUSTRIES



TOTAL FOREST INDUSTRIES

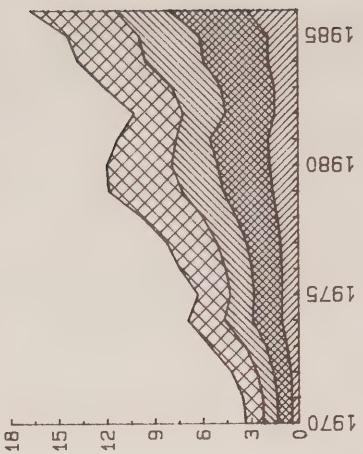


Figure 23. Total value added in the forest industries by sector and region, 1970-1986.

Source: Statistics Canada, Cat. No. 25-201 and 25-202.

IV - 11. MAJOR WOOD INDUSTRIES - SELECTED PROVINCES, 1986 (CONTINUED)

Activity/ Province or territory	Establish- ments	Manufacturing activity						Total activity			
		Production and related workers			Materials and supplies			Value of shipments of goods	Value added	Salaries and wages	Total value added
		Person- hours paid	Wages	Fuel and electricity	Materials	and supplies	Number				
C. Sawmill and planing mill products industry (S.I.C. 2512)											
Nfld.	40	178	372	2	1	6	11	5	247	3	5
P.E.I.	10	35	66	--	--	1	2	1	39	1	1
N.S.	74	1 024	2 229	16	3	36	79	40	1 149	19	40
N.B.	67	2 212	4 879	44	9	144	244	91	2 462	51	92
Atlantic provinces	191	3 449	7 546	62	13	187	336	137	3 897	74	138
Que.	339	13 189	27 733	276	54	903	1 627	647	15 704	342	652
Ont.	210	6 798	14 132	162	31	501	851	322	7 685	194	323
Man.	16	322	583	7	1	19	31	9	368	8	9
Sask.	9	345	662	10	2	32	52	21	411	12	21
Alta.	45	2 155	4 322	66	11	161	307	146	2 364	74	145
Prairies	70	2 822	5 567	83	14	212	390	176	3 143	94	175
B.C.	350	22 045	44 412	763	124	2 164	4 183	1 928	26 259	960	1 928
Yukon and N.W.T.	-	-	-	-	-	-	-	-	-	-	-
Total	1 160	48 303	99 391	1 346	236	3 966	7 387	3 209	56 688	1 663	3 216
D. Veneer and plywood industries (S.I.C. 252)											
Que.	29	1 321	2 702	22	4	108	170	61	1 633	32	67
B.C.	22	3 962	6 717	109	16	235	503	252	4 361	125	250
Others	27	2 396	5 057	54	10	112	243	121	2 786	68	122
Total	78	7 679	14 476	185	30	455	916	434	8 780	225	439

IV - 11. MAJOR WOOD INDUSTRIES - SELECTED PROVINCES, 1986 (CONTINUED)

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Activity/ province or territory	Estab- lishments	Number	Manufacturing activity						Total activity		
			Production and related workers			Materials and supplies			Salaries and wages	Total, value added	
			Person- hours paid	Wages	Fuel and electricity	Value of shipments of goods	Value added	Number	\$000 000	\$000 000	
E. Sash, door, and other millwork industries (S.I.C. 254)											
N.S.	32	573	1 272	9	--	26	48	21	722	13	23
Que.	581	8 588	17 769	152	12	458	824	361	9 977	190	363
Ont.	443	9 957	21 748	192	12	504	998	495	11 444	243	496
Alta.	128	1 451	3 087	30	2	96	160	62	2 025	48	81
B.C.	231	2 739	5 651	65	6	175	322	143	3 320	82	144
Others	184	2 597	5 308	46	3	119	237	115	3 204	64	122
Total	1 599	25 905	54 835	494	35	1 378	2 589	1 195	30 692	640	1 229
F. Prefabricated wooden building industry (S.I.C. 2541)											
N.S.	6	217	455	3	--	11	20	9	270	5	9
Que.	35	710	1 459	12	1	69	115	46	884	17	47
Ont.	16	594	1 281	11	1	63	102	40	784	17	40
Alta.	10	360	801	8	1	40	53	12	635	17	29
B.C.	18	154	276	4	1	9	20	10	237	6	10
Others	4	24	50	--	--	1	1	--	47	1	1
Total	89	2 059	4 322	38	3	193	311	117	2 857	63	136

IV - 11. MAJOR WOOD INDUSTRIES - SELECTED PROVINCES, 1986 (CONTINUED)

Activity/ Province or Territory	Manufacturing activity						Total activity		
	Production and related workers			Employees			Employees		
	Establishments	Number	\$ 1 000	Wages	Fuel and electricity	\$ 000 000	Materials and supplies	Value of shipments of goods	Value added
G. Wooden kitchen cabinet and bathroom vanity industries (S.I.C. 2542)									
N.S.	9	87	224	1	--	2	4	2	3
N.B.	13	146	301	2	--	6	11	5	5
Que.	268	2 608	5 413	45	3	96	189	92	899
Ont.	231	3 338	7 089	63	3	114	270	154	867
Man.	40	513	980	10	1	15	39	24	599
Alta.	54	324	676	6	--	12	24	12	391
B.C.	100	938	1 859	20	1	35	81	44	25
Others	32	119	230	3	--	3	6	2	126
Total	747	8 073	16 772	150	8	283	624	335	9 305
									185
H. Wooden door and window industry (S.I.C. 2543)									
N.S.	10	160	348	3	--	9	16	6	233
N.B.	16	342	716	7	--	20	40	20	428
Que.	174	3 354	6 972	61	5	202	344	139	4 006
Ont.	82	3 124	6 875	61	4	195	371	177	3 636
Man.	11	645	1 364	12	1	36	72	36	769
Alta.	23	300	665	6	--	20	36	16	423
B.C.	54	843	1 824	21	2	75	125	50	1 033
Others	16	208	432	2	1	19	6	321	27
Total	896	8 976	19 196	173	13	334	450	1 023	10 849

Activity/ province or territory	Establish- ments	Manufacturing activity						Total activity		
		Production and related workers			Materials and supplies			Value of shipments of goods	Salaries and wages	Total value added
		Person- hours paid	Wages	Fuel and electricity	\$000 000	\$000 000	Number			
I. Other millwork industries (S.I.C. 2549)										
N.S.	7	109	245	2	--	4	8	4	119	2
N.B.	19	154	312	2	--	6	10	5	165	3
Que.	104	1 916	3 925	34	3	91	176	84	2 188	41
Ont.	114	2 901	6 503	57	4	132	255	122	3 157	66
Man.	10	245	500	4	--	11	21	10	309	6
Sask.	16	158	334	3	--	7	13	6	208	4
Alta.	41	467	945	10	1	24	47	22	576	13
Prairies	67	870	1 779	17	1	42	81	38	1 093	23
B.C.	59	804	1 692	20	2	56	96	39	906	24
Others	7	43	89	1	1	2	5	1	53	1
Total	377	6 797	14 545	133	11	333	631	293	7 681	160
J. Wooden box and pallet industry (S.I.C. 256)										
N.S.	8	76	146	1	--	2	4	2	81	1
Que.	63	800	1 640	13	1	32	56	23	903	16
Ont.	96	1 370	2 782	21	2	66	119	51	1 609	27
Man.	5	46	102	1	--	3	5	2	53	1
Alta.	11	152	307	3	--	5	11	6	165	3
Others	23	232	466	4	2	12	23	9	273	6
Total	206	2 676	5 443	43	5	120	218	93	3 084	54

IV - 11. MAJOR WOOD INDUSTRIES - SELECTED PROVINCES, 1986 (CONCLUDED)

Activity/ province or territory	Estab- lishments	Number	Manufacturing activity				Total activity		
			Production and related workers				Total employees ^a		
			Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Salaries and wages
		1 000				\$000 000			\$000 000
K. Coffin and casket industry (S.I.C. 258)									
Que.	14	427	900	8	1	13	30	17	495
Others	13	195	416	4	--	6	13	7	222
Total	27	622	1 316	12	1	19	43	24	717
L. Other wood industries (S.I.C. 259)									
Que.	85	2 369	5 105	49	11	163	322	150	2 838
Ont.	128	2 635	5 807	58	15	204	359	144	2 983
Others	161	2 294	4 624	53	14	215	368	139	2 634
Total	374	7 298	15 536	160	40	582	1 049	432	8 455
									199
									435

^aExcluding working owners and partners.

Source: Statistics Canada Cat. No. 35-250.

IV - 12. MAJOR PAPER AND ALLIED INDUSTRIES - SELECTED PROVINCES, 1986 (CONTINUED)

		Manufacturing activity				Total activity			
Production and related workers						Total employees ^a			
Activity/ Province or territory	Establishments	Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added	Salaries and wages	Total value added
		1 000	\$000 000	\$000 000	\$000 000			Number	\$000 000
C. Newsprint industry (S.I.C. 2712)									
Que.	21	14 258	30 069	511	394	1 120	3 173	1 655	18 819
Ont.	9	6 406	13 192	231	168	611	1 590	811	8 612
B.C.	4	4 183	8 395	180	163	484	1 348	705	5 706
Others	8	4 573	10 047	163	170	392	1 072	497	5 755
Total	42	29 420	61 703	1 085	895	2 607	7 183	3 668	38 892
D. Paperboard industry (S.I.C. 2713)									
Que.	10	2 448	4 953	87	66	252	597	271	3 346
Ont.	11	2 349	5 117	78	62	192	488	233	2 796
Others	7	1 456	3 101	54	69	150	385	167	1 856
Total	28	6 253	13 171	219	197	594	1 470	671	7 998
E. Asphalt roofing industry (S.I.C. 2722)									
Que.	5	486	1 044	13	6	69	145	70	783
Ont.	7	524	1 111	13	6	109	202	85	665
Alta.	3	240	510	7	3	41	78	33	314
Others	4	83	173	2	--	14	25	10	9
Total	19	1 333	2 838	35	15	233	450	198	1 904

Activity/ province or territory	Estab- lishments	Number	Manufacturing activity						Total activity		
			Production and related workers			Materials and supplies			Value of shipments of goods		Salaries and wages
			Person- hours paid	Wages	Fuel and electricity						Total value added
F. Paper box and bag industries (S.I.C. 273)											
Que.	64	4 573	9 067	116	12	437	698	249	5 956	159	248
Ont.	137	7 990	16 866	207	16	822	1 296	458	10 048	277	460
Others	52	2 433	5 027	68	5	308	502	188	3 210	97	189
Total	253	14 996	30 960	391	33	1 567	2 496	895	19 214	533	897
G. Folding carton and set-up box industry (S.I.C. 2731)											
Que.	33	1 711	3 419	43	3	126	224	94	2 110	55	94
Ont.	57	3 342	7 132	84	5	280	489	205	4 118	111	208
Others	16	434	812	10	--	42	71	29	531	14	29
Total	106	5 487	11 363	137	8	448	784	328	6 759	180	331
H. Corrugated box industry (S.I.C. 2732)											
Que.	22	2 109	4 109	55	7	235	356	114	2 904	80	113
Ont.	69	4 294	9 075	116	11	516	764	235	5 446	155	235
Alta.	8	315	676	9	1	41	64	23	406	13	22
B.C.	8	614	1 303	22	2	91	151	58	858	31	59
Others	11	567	1 222	15	1	81	127	43	756	21	43
Total	118	7 899	16 385	217	22	964	1 462	473	10 370	300	472

IV - 12. MAJOR PAPER AND ALLIED INDUSTRIES - SELECTED PROVINCES, 1986 (CONCLUDED)

Activity/ province or territory	Establish- ments	Number	Manufacturing activity						Total activity		
			Production and related workers			Total employees ^a			Number	Salaries and wages	Value added
			Person- hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added			
I. Paper bag industry (S.I.C. 2733)											
Que.	9	753	1 539	18	2	76	118	41	942	24	41
Ont.	11	354	659	7	--	26	43	18	484	11	17
B.C.	3	153	311	4	--	17	28	11	199	6	11
Others	6	350	703	8	1	36	61	24	460	12	25
Total	29	1 610	3 212	37	3	155	250	94	2 085	53	94
J. Other converted paper products industries (S.I.C. 279)											
Ont.	150	7 963	16 560	189	18	809	1 360	550	10 774	288	561
Others	134	4 202	8 645	88	12	413	687	272	5 601	129	279
Total	284	12 165	25 205	277	30	1 222	2 048	822	16 375	417	840
K. Stationery paper products industry (S.I.C. 2792)											
Que.	16	690	1 381	15	1	46	87	43	922	21	45
Ont.	38	1 977	4 274	42	2	138	256	121	2 718	66	130
Alta.	5	65	149	2	--	6	9	3	94	2	3
B.C.	7	143	297	4	--	13	24	12	222	6	12
Others	5	76	140	1	1	4	8	4	110	3	4
Total	71	2 951	6 241	64	4	207	384	183	4 066	98	194

^aExcluding working owners and partners.

Source: Statistics Canada Cat. No. 36-250.

IV - 13. LOGGING BY YEAR, 1960-1986

Year	Establishments	Manufacturing activity						Total activity		
		Production and related workers			Materials and supplies			Value of shipments of goods	Value added	Number
		Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added			
Year	Establishments	Number	1 000		\$000 000					\$000 000
1960		..	..	..	..	..	806	..	..	375 ..
1965	2 556	53 992	122 571	274	27	651	1 185	528	60 701	316 547
1970	2 648	44 810	100 227	345	29	690	1 382	653	52 230	412 694
1971	2 436	40 119	88 723	344	30	687	1 383	658	47 284	413 698
1972	2 794	40 363	89 599	382	37	770	1 592	765	47 553	458 829
1973	3 128	49 573	105 182	513	50	1 127	2 104	1 001	57 586	606 1 109
1974	3 249	50 733	108 321	601	68	1 249	2 365	1 176	59 491	717 1 244
1975	2 745	45 533	97 662	588	64	1 129	2 175	1 098	53 622	712 1 126
1976	2 315	42 185	83 917	639	71	1 383	2 733	1 300	49 878	773 1 348
1977	2 131	41 804	83 192	693	74	1 513	2 998	1 400	49 445	844 1 440
1978	2 279	45 939	91 544	808	85	1 828	3 435	1 564	53 753	973 1 647
1979	2 844	48 301	96 238	927	101	2 383	4 222	1 822	56 614	1 115 2 053
1980	3 241	45 826	90 653	965	121	2 597	4 559	1 927	54 370	1 179 2 049
1981	3 276	39 971	78 283	944	159	2 444	4 430	1 857	48 402	1 192 1 883
1982	3 081	32 770	62 413	798	179	2 098	3 995	1 616	40 156	1 032 1 650
1983	3 508	39 771	80 446	1 013	200	2 605	4 909	2 105	45 943	1 219 2 152
1984	3 694	45 368	89 665	1 123	215	3 004	5 364	2 172	48 022	1 324 2 191
1985	3 739	40 733	78 567	1 100	219	3 059	5 462	2 167	45 962	1 294 2 187
1986	4 000	40 862	75 012	1 125	220	3 255	5 776	2 260	45 760	1 313 2 297

^aExcluding working owners and partners.

Source: Statistics Canada Cat. No. 25-201.

IV - 14. WOOD INDUSTRIES BY YEAR, 1960-1986

Year	Establishments	Number	Manufacturing activity						Total activity		
			Production and related workers			Materials and supplies of goods			Value of shipments of goods	Value added	Salaries and wages
			Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of goods	Number			
\$000 000	1 000	\$000 000	\$000 000	\$000 000	\$000 000	\$000 000	\$000 000	Number	\$000 000	\$000 000	\$000 000
1960	5 730	69 101	..	222	18	561	1 007	..	82 734	278	432
1965	4 206	78 389	169 301	322	30	818	1 488	655	91 588	399	669
1970	3 330	75 225	157 535	446	36	1 139	1 951	790	87 829	552	802
1971	3 164	78 420	165 368	517	44	1 296	2 347	1 003	91 846	638	1 017
1972	3 085	87 733	182 598	623	53	1 647	3 085	1 397	102 699	771	1 422
1973	3 063	94 818	197 824	756	64	2 181	4 056	1 947	111 600	939	1 977
1974	3 111	89 297	186 506	823	75	2 242	3 991	1 708	106 620	1 038	1 748
1975	2 920	81 588	167 763	846	79	2 098	3 803	1 655	97 717	1 071	1 690
1976	2 703	90 007	187 880	1 098	105	2 770	4 999	2 207	106 178	1 353	2 236
1977	2 542	92 300	192 273	1 272	130	3 161	5 952	2 726	108 660	1 558	2 762
1978	2 928	100 491	209 594	1 482	159	3 916	7 477	3 507	119 004	1 821	3 550
1979	3 208	103 025	216 455	1 687	183	4 927	8 808	3 965	122 048	2 074	4 021
1980	3 363	98 839	207 679	1 798	205	4 865	8 397	3 398	117 307	2 217	3 466
1981	3 394	94 328	189 205	1 824	245	4 802	8 442	3 379	112 570	2 286	3 447
1982	3 345	80 726	155 324	1 653	273	4 095	7 168	2 662	97 050	2 102	2 708
1983	3 453	85 499	172 757	1 950	323	5 297	9 406	3 942	101 965	2 427	3 993
1984	3 561	86 205	174 980	2 028	351	5 657	9 973	4 006	102 941	2 541	4 051
1985	3 476	90 988	189 083	2 204	369	6 164	11 122	4 624	107 560	2 740	4 688
1986	3 578	94 888	195 281	2 295	351	6 659	12 433	5 473	110 966	2 856	5 523

^aExcluding working owners and partners.

Source: Statistics Canada Cat. No. 25-202.

IV - 15. PAPER AND ALLIED INDUSTRIES BY YEAR, 1960-1986

Year	Manufacturing activity						Total activity		
	Production and related workers			Employees ^a			Number	Salaries and wages	Total value added
	Establishments	Number	\$1 000	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	
1960	565	76 040	..	339	116	979	2 126	..	95 281
1965	601	83 994	184 072	450	158	1 386	2 882	1 347	110 180
1970	635	90 679	195 536	684	214	1 953	3 931	1 781	121 080
1971	642	90 086	191 811	731	244	2 023	4 001	1 772	119 709
1972	654	91 188	195 393	805	257	2 211	4 414	1 928	120 758
1973	649	93 123	197 883	886	284	2 536	5 271	2 439	123 138
1974	650	99 696	210 962	1 087	427	3 456	7 677	3 888	131 275
1975	665	95 794	181 293	1 055	419	3 347	7 132	3 398	127 362
1976	661	98 335	203 620	1 381	572	4 038	8 229	3 774	130 207
1977	647	94 244	195 940	1 490	697	4 238	8 938	4 004	124 463
1978	699	96 882	202 655	1 654	833	4 747	10 197	4 539	126 783
1979	732	98 667	204 986	1 802	960	5 654	12 287	5 733	128 918
1980	764	99 071	204 792	1 987	1 085	6 785	14 503	6 737	130 310
1981	758	99 491	205 525	2 243	1 299	7 595	15 729	6 944	131 024
1982	674	87 924	181 586	2 216	1 434	7 059	14 261	5 869	117 669
1983	672	86 375	178 775	2 392	1 586	7 468	15 011	5 929	114 308
1984	678	88 227	182 224	2 529	1 809	8 289	17 472	7 506	115 799
1985	688	86 477	182 423	2 699	1 831	8 712	18 075	7 555	114 187
1986	698	88 880	187 139	2 893	1 699	9 358	20 067	8 935	117 063

^aExcluding working owners and partners.

Source: Statistics Canada Cat. No. 25-202.

IV - 16. SAWMILL, PLANING MILL, AND SHINGLE MILL INDUSTRIES (S.I.C. 251) BY YEAR, 1965-1986

Year	Establishments	Manufacturing activity						Total activity		
		Production and related workers			Employees a			Number	Salaries and wages	Total value added
		Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods				
Year	Establishments	Number	\$1 000	\$1 000	\$1 000	\$1 000	Number	\$1 000	\$1 000	\$1 000 000
1965	2 559	44 477	95 489	188	20	502	896	384	50 848	224
1970	1 854	43 914	92 625	273	24	705	1 168	450	50 226	326
1971	1 705	45 702	96 322	318	29	811	1 440	593	52 650	381
1972	1 639	51 076	106 058	385	36	1 030	1 949	894	58 909	464
1973	1 593	55 396	115 366	471	44	1 397	2 627	1 306	64 359	572
1974	1 609	50 615	106 377	506	50	1 341	2 380	999	59 886	623
1975	1 437	42 291	87 840	482	52	1 141	2 060	883	50 765	599
1976	1 282	49 528	104 249	667	70	1 647	2 969	1 309	58 221	802
1977	1 203	53 169	111 169	803	89	1 986	3 787	1 772	62 199	961
1978	1 310	58 130	122 002	944	109	2 513	4 848	2 324	68 616	1 139
1979	1 424	59 294	125 894	1 081	126	3 267	5 831	2 670	70 314	1 312
1980	1 441	57 800	122 469	1 173	143	3 205	5 430	2 150	68 312	1 423
1981	1 432	54 499	108 526	1 147	169	2 998	5 098	1 882	64 486	1 413
1982	1 338	46 295	89 306	1 055	190	2 672	4 501	1 535	55 119	1 319
1983	1 388	50 179	101 115	1 264	228	3 507	6 106	2 502	59 674	1 548
1984	1 429	50 895	102 916	1 321	246	3 722	6 404	2 468	60 415	1 626
1985	1 318	51 773	107 820	1 407	258	3 976	7 059	2 854	61 233	1 721
1986	1 294	50 708	103 676	1 401	241	4 104	7 618	3 296	59 238	1 723

aExcluding working owners and partners.

Source: Statistics Canada Cat. No. 35-204 and 35-250.

IV - 17. SHINGLE AND SHAKE INDUSTRY (S.I.C. 2511) BY YEAR, 1965-1986

Year	Manufacturing activity						Total activity		
	Production and related workers			Materials and supplies			Salaries and wages		
	Establishments	Number	1 000	\$000 000	Fuel and electricity	Value of shipments of goods	Value added	Number	\$000 000
1965	64	1 422	2 793	8	--	15	25	10	1 527
1970	82	1 374	2 697	11	--	18	32	14	1 450
1971	74	1 595	3 173	14	1	22	44	22	1 687
1972	72	1 689	3 244	15	1	26	56	29	1 798
1973	74	1 753	3 415	17	1	37	68	31	1 883
1974	79	1 421	2 841	16	1	26	50	23	1 540
1975	69	1 503	2 942	20	1	28	63	34	1 609
1976	69	1 690	3 359	25	1	44	90	47	1 813
1977	71	1 637	3 319	29	2	61	115	53	1 754
1978	84	2 029	4 272	37	2	87	154	68	2 159
1979	116	1 853	3 887	40	2	92	155	60	1 986
1980	124	1 897	3 708	41	2	83	152	66	2 034
1981	119	1 583	3 117	37	2	69	125	54	1 712
1982	108	1 302	2 401	29	3	46	87	39	1 421
1983	98	1 417	2 714	34	3	64	114	46	1 539
1984	101	1 537	3 099	37	3	81	139	58	1 648
1985	107	2 157	4 213	52	4	115	196	77	2 272
1986	134	2 405	4 285	55	5	138	231	86	2 550

^aExcluding working owners and partners.

Source: Statistics Canada Cat. No. 35-204 and 35-250.

IV - 18. SAWMILL AND PLANING MILL PRODUCTS INDUSTRY (S.I.C. 2512) BY YEAR, 1960-1986

Year	Establishments	Number	Manufacturing activity						Total activity		
			Production and related workers			Materials and supplies			Value of shipments of goods	Value added	Salaries and wages
			Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added			
		1 000				\$'000 000					\$'000 000
1960	3 719	36 714	..	120	10	296	530	225	..	..	..
1965	2 559	44 477	95 489	188	20	502	896	384	50 848	224	389
1970	1 772	42 540	89 928	262	24	687	1 135	436	48 776	314	439
1971	1 631	44 107	93 150	305	28	789	1 396	572	50 963	366	574
1972	1 567	49 387	102 814	370	35	1 004	1 894	865	57 111	448	869
1973	1 519	53 643	111 951	455	43	1 360	2 559	1 275	62 476	554	1 280
1974	1 530	49 194	103 535	490	49	1 315	2 330	976	58 346	605	983
1975	1 368	40 788	84 899	462	51	1 113	1 997	849	49 156	578	851
1976	1 213	47 838	100 890	642	69	1 604	2 878	1 262	56 408	774	1 268
1977	1 132	51 532	107 850	775	88	1 925	3 673	1 719	60 445	930	1 723
1978	1 226	56 101	117 730	906	107	2 426	4 694	2 257	66 457	1 098	2 260
1979	1 308	57 441	122 007	1 042	124	3 176	5 676	2 610	68 328	1 268	2 617
1980	1 317	55 903	118 761	1 132	141	3 122	5 278	2 085	66 278	1 379	2 089
1981	1 313	52 916	105 409	1 110	166	2 929	4 973	1 828	62 774	1 373	1 827
1982	1 230	44 878	86 592	1 027	188	2 608	4 387	1 489	53 698	1 286	1 494
1983	1 290	48 762	98 401	1 231	226	3 443	5 991	2 455	58 135	1 509	2 463
1984	1 328	49 358	99 818	1 284	243	3 641	6 265	2 410	58 767	1 585	2 410
1985	1 211	49 616	103 606	1 355	254	3 861	6 863	2 777	58 961	1 676	2 786
1986	1 160	48 303	99 391	1 346	236	3 966	7 387	3 209	56 688	1 663	3 216

aExcluding working owners and partners.

Source: Statistics Canada Cat. No. 35-204 and 35-250.

IV - 19. VENEER AND PLYWOOD INDUSTRIES (S.I.C. 252) BY YEAR, 1960-1986

Year	Establishments	Manufacturing activity						Total activity		
		Production and related workers			Materials and supplies of goods			Value added	Salaries and wages	Total value added
		Person-hours paid	Wages	Fuel and electricity	Materials and supplies	shipments of goods				
Year	Number	1 000	\$000 000	\$000 000	\$000 000	\$000 000	Number	\$000 000	Total employees ^a	Total activity
1960	76	9 856	..	35	3	76	138	61	..	..
1965	83	12 826	27 455	55	4	120	222	101	14 265	65
1970	90	10 973	21 616	68	5	152	262	104	12 259	80
1971	88	11 363	23 360	80	6	165	312	139	12 650	93
1972	84	12 213	24 788	92	7	202	393	182	13 664	108
1973	86	13 082	26 592	110	8	255	487	226	14 478	127
1974	82	11 863	23 562	112	9	262	463	198	13 291	133
1975	83	11 367	21 346	119	10	248	458	200	12 732	141
1976	81	11 635	23 179	147	13	311	584	266	13 003	171
1977	83	12 301	24 917	174	17	351	647	283	13 695	202
1978	86	12 555	25 319	192	20	423	844	402	14 067	222
1979	83	12 212	24 470	203	21	498	888	380	13 618	236
1980	84	10 990	22 453	206	23	483	840	333	12 363	243
1981	77	9 920	18 845	197	26	466	841	351	11 323	238
1982	82	9 084	15 772	185	27	360	645	248	10 344	225
1983	82	8 596	17 289	216	32	456	853	373	9 724	256
1984	81	8 037	15 632	200	31	453	795	317	9 174	241
1985	82	7 932	15 801	210	33	486	888	363	9 058	251
1986	78	7 679	14 476	185	30	455	916	434	8 780	225

^aExcluding working owners and partners.

Source: Statistics Canada Cat. No. 35-206 and 35-250.

IV - 20. SASH, DOOR, AND OTHER MILLWORK INDUSTRIES (S.I.C. 254) BY YEAR, 1960-1986

Year	Establishments	Number	Manufacturing activity						Total activity		
			Production and related workers			Materials and supplies			Value of shipments of goods	Value added	Salaries and wages
			Person-hours paid	Fuel and electricity	Wages	Materials and supplies	Value of shipments of goods	Number			
		1 000				\$000 000					\$000 000
1960	1 397	13 267	..	40	4	134	227	88	..	..	..
1965	1 007	11 108	24 868	41	3	115	209	93	14 122	58	99
1970	908	12 040	25 610	63	3	190	339	146	15 432	91	152
1971	902	12 933	27 820	73	4	223	396	172	16 494	105	180
1972	910	15 594	33 009	94	5	298	509	209	19 547	131	224
1973	943	17 078	36 298	115	6	389	658	274	21 675	163	291
1974	958	17 230	36 462	135	8	462	801	343	22 214	193	365
1975	944	18 409	38 629	165	8	519	928	405	23 083	229	433
1976	925	19 622	41 132	199	10	618	1 073	460	24 224	271	476
1977	891	18 169	38 025	200	11	607	1 079	468	22 641	275	495
1978	1 110	20 525	42 952	240	13	718	1 267	538	25 468	326	573
1979	1 228	21 067	44 175	268	15	818	1 438	618	25 972	360	652
1980	1 316	19 994	41 665	275	16	790	1 425	621	24 866	372	668
1981	1 358	20 447	42 183	321	21	905	1 701	795	25 559	436	852
1982	1 390	16 816	33 698	272	23	685	1 319	588	21 294	377	619
1983	1 440	18 488	37 930	321	26	872	1 641	759	22 925	437	791
1984	1 480	18 217	37 525	327	29	904	1 733	803	22 740	450	839
1985	1 512	21 469	45 157	390	33	1 066	2 045	951	25 884	514	995
1986	1 599	25 905	54 835	494	35	1 378	2 589	1 195	30 692	640	1 229

^a Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-205 and 35-250.

IV - 21. WOODEN BOX AND PALLET INDUSTRY (S.I.C. 256) BY YEAR, 1965-1986

Year	Manufacturing activity										Total activity		
	Production and related workers					Materials and supplies of goods					Salaries and wages		
	Establishments	Number	1 000	\$000 000	\$000 000	Fuel and electricity	Wages	Person-hours paid	Materials and supplies	Value added	Number	Total employees ^a	\$000 000
1965	160	2 642	5 824	9	1	15	35	19	35	19	3 028	11	19
1970	162	2 668	5 668	13	1	25	54	28	3115	17	3 115	17	28
1971	162	2 666	5 615	14	1	26	55	28	3109	18	3 109	18	28
1972	157	2 747	5 828	15	1	31	62	30	3218	19	3 218	19	30
1973	162	2 913	6 176	18	1	40	79	38	3449	23	3 449	23	38
1974	177	3 192	6 828	22	1	57	105	47	3731	28	3 731	28	47
1975	179	3 233	6 846	26	1	57	110	52	3752	33	3 752	33	52
1976	166	2 938	6 216	26	2	57	111	53	3430	33	3 430	33	53
1977	150	2 869	6 028	30	2	66	134	67	3347	40	3 347	40	67
1978	161	2 940	6 112	30	2	77	139	61	3470	39	3 470	39	61
1979	189	3 396	7 099	42	2	104	187	81	3938	51	3 938	51	81
1980	192	3 017	6 310	38	2	102	189	85	3547	48	3 547	48	85
1981	191	2 874	5 986	43	3	110	207	93	3407	55	3 407	55	93
1982	208	2 741	5 662	41	4	97	188	87	3274	52	3 274	52	88
1983	201	2 216	4 496	32	4	85	152	64	2556	40	2 556	40	65
1984	212	2 422	4 991	38	4	105	191	82	2759	46	2 759	46	83
1985	193	2 493	4 966	40	5	110	198	86	2853	49	2 853	49	86
1986	206	2 676	5 443	43	5	120	218	93	3 084	54	3 084	54	95

^aExcluding working owners and partners.

Source: Statistics Canada Cat. No. 35-208 and 35-250.

IV - 22. COFFIN AND CASKET INDUSTRY (S.I.C. 258) BY YEAR, 1965-1986

Year	Manufacturing activity							Total activity		
	Production and related workers			Materials and supplies			Value added	Salaries and wages	Total value added	
	Establishments	Number	Person-hours paid	Wages	Fuel and electricity	Shipments of goods				
		1 000		\$000 000				Number	\$000 000	
1965	56	1 152	2 595	4	—	6	14	8	1 438	
1970	45	1 006	2 194	5	—	7	17	10	1 260	
1971	45	983	2 172	5	—	7	18	10	1 217	
1972	43	973	2 113	5	—	8	18	10	1 202	
1973	42	982	2 088	6	—	10	21	11	1 180	
1974	43	1 000	2 051	6	—	13	25	13	1 230	
1975	40	952	1 990	7	—	11	25	14	1 120	
1976	38	837	1 803	7	—	10	23	12	965	
1977	29	743	1 599	7	—	10	23	13	860	
1978	31	721	1 507	7	—	13	27	15	846	
1979	32	660	1 393	7	—	13	29	15	776	
1980	38	707	1 488	9	1	15	32	16	828	
1981	34	616	1 311	9	1	15	33	18	736	
1982	33	643	1 340	10	1	17	36	19	741	
1983	31	692	1 397	11	1	18	39	21	799	
1984	31	623	1 201	10	1	18	39	20	722	
1985	27	653	1 326	11	1	20	41	22	453	
1986	27	622	1 316	12	1	19	43	24	717	

a Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-208 and 35-250.

Year	Manufacturing activity						Total activity		
	Production and related workers			Employees ^a			Number	Salaries and wages	Total value added
	Establishments	Number	\$1 000	Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added
1965	277	4 762	10 276	17	2	45	86	40	5 796
1970	271	4 624	9 821	24	3	59	112	52	5 537
1971	260	4 773	10 079	27	3	64	126	60	5 726
1972	252	5 130	10 803	32	4	77	153	72	6 159
1973	237	5 367	11 298	36	5	90	184	91	6 459
1974	242	5 397	11 226	42	6	109	217	108	6 268
1975	237	5 336	11 112	48	7	121	222	100	6 265
1976	211	5 447	11 308	54	10	127	239	106	6 335
1977	186	5 049	10 536	57	11	142	282	124	5 918
1978	230	5 620	11 703	69	14	173	351	166	6 537
1979	252	6 396	13 424	86	18	226	436	201	7 430
1980	292	6 331	13 294	97	20	269	481	193	7 391
1981	302	5 972	12 354	107	26	307	563	240	7 059
1982	296	5 262	9 860	92	27	282	506	192	6 278
1983	311	5 328	10 529	105	32	360	615	223	6 287
1984	328	6 011	12 716	132	41	455	810	316	7 131
1985	344	6 668	14 013	146	40	507	890	349	7 779
1986	374	7 298	15 536	160	39	582	1 049	432	8 445
									435

^aExcluding working owners and partners.

Source: Statistics Canada Cat. No. 35-208 and 35-250.

IV - 24. WOOD PRESERVATION INDUSTRY (S.I.C. 2591) BY YEAR, 1965-1986

Year	Establishments	Number	Manufacturing activity						Total activity		
			Production and related workers			Materials and supplies			Value added	Salaries and wages	Total value added
			Person-hours paid	Wages	Fuel and electricity	Materials	Value of shipments of goods				
		1 000		\$000 000					Number	\$000 000	
1965	31	1 178	2 465	5	1	19	34	15	1 456	7	15
1970	34	1 048	2 212	7	1	21	39	17	1 357	10	18
1971	30	1 154	2 443	8	1	26	45	19	1 448	11	20
1972	31	1 148	2 509	9	1	27	51	22	1 465	12	22
1973	33	1 125	2 418	10	1	32	61	27	1 452	14	28
1974	36	1 281	2 622	13	2	42	80	39	1 506	16	41
1975	36	1 320	2 721	14	2	54	88	37	1 627	19	37
1976	36	1 199	2 341	13	2	49	81	32	1 481	18	34
1977	34	1 188	2 418	16	2	58	102	39	1 474	21	40
1978	38	1 446	2 985	20	3	69	120	48	1 733	25	48
1979	41	1 364	2 784	21	3	82	132	51	1 672	27	52
1980	40	1 416	2 900	26	3	94	150	56	1 687	31	59
1981	43	1 295	2 656	26	4	106	173	65	1 572	32	67
1982	45	1 128	2 166	24	6	100	166	61	1 388	31	61
1983	47	1 019	1 987	23	5	111	171	54	1 249	29	56
1984	50	1 185	2 453	30	7	154	236	75	1 443	37	78
1985	51	1 070	2 197	27	6	150	214	63	1 348	36	65
1986	59	1 190	2 328	28	6	174	250	74	1 490	39	78

a Excluding working owners and partners.

Source: Statistics Canada Cat. No. 35-208 and 35-250.

IV - 25. PARTICLEBOARD AND WAFERBOARD INDUSTRIES (S.I.C. 2592-2593) BY YEAR, 1970-1986

Year	Establishments	Number	Manufacturing activity						Total activity		
			Production and related workers			Materials and supplies			Value of shipments of goods	Value added	Salaries and wages
			Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods				
A. Particleboard and waferboard											
1970	9	674	1 512	4	1	8	18	9	783	5	9
1971	11	846	1 766	5	1	11	25	13	1 007	7	13
1972	11	952	2 091	7	2	17	37	18	1 136	9	18
1973	11	1 028	2 248	8	2	17	47	27	1 240	10	27
1974	11	1 077	2 298	10	3	21	52	29	1 269	12	29
1975	14	1 192	2 413	13	3	26	51	23	1 377	16	22
1976	18	1 634	3 340	20	6	41	77	33	1 889	24	33
1977	17	1 590	3 221	21	8	48	102	45	1 841	26	44
1978	17	1 720	3 616	28	10	65	148	74	2 018	34	74
1979	18	2 056	4 310	35	13	86	183	89	2 407	43	89
1980	17	1 807	3 794	36	14	97	186	71	2 149	44	70
1981	21	1 974	4 096	44	18	118	226	95	2 366	55	95
B. Particleboard (S.I.C. 2592)											
1982	17	928	1 914	20	10	64	122	48	1 138	26	47
1983	19	1 014	1 972	23	11	81	149	57	1 223	31	57
1984	19	1 201	2 592	30	13	90	197	94	1 525	42	93
1985	23	1 353	2 872	36	14	120	228	94	1 683	47	93
1986	25	1 541	3 539	42	14	154	296	128	1 911	55	126
C. Waferboard (S.I.C. 2593)											
1982	10	971	1 505	17	8	45	78	21	1 142	22	21
1983	11	1 003	2 032	25	11	76	130	43	1 199	31	43
1984	11	1 210	2 727	34	16	111	189	62	1 429	41	61
1985	11	1 269	2 705	36	15	116	232	101	1 530	45	102
1986	11	1 182	2 572	36	14	118	248	117	1 393	44	115

^aExcluding working owners and partners.

Source: Statistics Canada Cat. No. 35-208 and 35-250.

IV - 26. PULP AND PAPER INDUSTRIES (S.I.C. 271) BY YEAR, 1960-1986

Year	Establishments	Number	Manufacturing activity						Total activity		
			Production and related workers			Employees a			Number	Salaries and wages	Value added
			Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added			
Year	Establishments	Number	1 000	\$000 000	\$000 000	\$000 000	\$000 000	\$000 000	Number	\$000 000	\$000 000
1960	126	53 313	..	260	111	658	1 583	815	..	..	..
1965	132	58 074	128 006	339	151	924	2 104	1 034	69 897	424	1 042
1970	139	62 025	134 291	512	204	1 334	2 851	1 323	80 371	701	1 331
1971	142	61 426	130 766	546	233	1 364	2 832	1 273	79 397	746	1 277
1972	141	61 196	131 426	594	244	1 484	3 128	1 374	78 969	809	1 380
1973	146	61 783	131 688	645	271	1 701	3 791	1 804	80 085	884	1 813
1974	147	66 584	142 883	803	409	2 307	5 703	3 034	86 203	1 097	3 049
1975	147	64 329	117 176	755	399	2 192	5 122	2 569	84 046	1 092	2 601
1976	147	66 946	139 464	1 033	546	2 733	5 993	2 845	86 995	1 416	2 876
1977	145	64 930	135 108	1 150	668	2 911	6 637	3 056	84 533	1 541	3 070
1978	144	66 039	138 834	1 253	798	3 255	7 649	3 504	85 601	1 697	3 508
1979	146	66 878	139 305	1 355	919	3 848	9 282	4 539	87 055	1 847	4 531
1980	144	66 252	137 699	1 486	1 037	4 605	10 908	5 350	86 872	2 050	5 355
1981	144	67 170	139 183	1 670	1 240	5 063	11 619	5 406	87 882	2 310	5 401
1982	142	62 626	129 840	1 729	1 376	4 877	10 689	4 535	83 104	2 442	4 515
1983	137	60 200	125 563	1 838	1 522	5 092	11 082	4 410	79 164	2 528	4 380
1984	142	61 018	126 952	1 922	1 736	5 633	13 112	5 845	79 404	2 638	5 802
1985	137	58 830	126 105	2 047	1 751	5 867	13 407	5 773	77 562	2 811	5 720
1986	142	60 386	128 137	2 189	1 619	6 335	15 072	7 020	79 570	2 999	6 974

^aExcluding working owners and partners.

Source: Statistics Canada Cat. No. 36-204 and 36-250.

IV - 27. ASPHALT ROOFING INDUSTRY (S.I.C. 272) BY YEAR, 1965-1986

Year	Manufacturing activity						Total activity		
	Production and related workers			Materials and supplies			Value of shipments of goods	Value added	Number
	Establishments	Number	\$1 000	Wages	Fuel and electricity	\$1 000	\$1 000	\$1 000	\$'000 000
1965	21	1 291	2 899	6	1	30	58	26	1 942
1970	14	618	1 436	4	1	22	39	17	1 141
1971	14	727	1 706	6	1	29	51	22	1 218
1972	14	815	1 919	7	1	34	63	28	1 277
1973	15	919	2 088	8	1	41	77	33	1 375
1974	15	916	2 109	9	2	54	102	49	1 403
1975	15	963	2 189	11	2	69	121	51	1 438
1976	15	1 034	2 177	13	3	87	148	60	1 549
1977	15	998	2 127	14	4	91	154	62	1 540
1978	17	1 043	2 169	15	4	111	179	64	1 467
1979	18	997	2 067	15	5	138	209	72	1 471
1980	17	891	1 874	15	5	160	244	78	1 393
1981	16	806	1 637	15	6	167	269	90	1 301
1982	16	768	1 562	15	7	162	271	102	1 269
1983	17	1 025	2 103	25	8	215	306	89	1 424
1984	17	1 168	2 366	27	12	216	354	131	1 537
1985	18	1 177	2 472	29	13	223	367	134	1 562
1986	19	1 333	2 838	35	15	233	450	198	1 904
									54
									208

^aExcluding working owners and partners.

Source: Statistics Canada Cat. No. 36-215 and 36-250.

IV - 28. PAPER BOX AND BAG INDUSTRIES (S.I.C. 273) BY YEAR, 1965-1986

Year	Establishments	Manufacturing activity						Total activity		
		Production and related workers			Materials and supplies			Value of shipments of goods	Value added	Salaries and wages
		Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added			
Year	Number	1 000		\$000 000		\$000 000		Number	\$000 000	
1965	244	15 898	34 274	102	3	284	458	172	20 952	100
1970	269	17 505	37 569	108	5	389	656	266	23 497	160
1971	268	17 527	37 231	116	6	412	701	285	23 387	170
1972	268	18 393	39 435	132	7	455	771	313	24 335	191
1973	265	19 249	40 698	150	7	518	881	358	25 282	214
1974	269	20 187	41 236	177	9	718	1 182	480	26 247	252
1975	286	18 791	38 173	182	11	698	1 171	458	24 799	266
1976	284	18 882	38 509	215	13	784	1 310	526	24 891	306
1977	280	18 086	37 675	231	16	811	1 355	525	23 837	329
1978	296	18 680	38 925	252	18	904	1 502	589	24 259	351
1979	316	19 125	39 688	276	21	1 057	1 718	653	24 607	382
1980	331	19 713	40 238	306	25	1 226	2 000	765	25 443	430
1981	331	19 255	39 496	349	31	1 452	2 303	832	25 131	492
1982	255	14 087	28 519	275	26	1 115	1 800	664	18 492	394
1983	248	14 447	29 270	313	29	1 217	1 989	752	18 641	435
1984	249	14 684	30 045	343	32	1 399	2 238	821	19 004	473
1985	251	14 919	30 065	366	35	1 493	2 369	848	19 174	504
1986	253	14 996	30 960	391	33	1 567	2 496	895	19 214	533

^aExcluding working owners and partners.

Source: Statistics Canada Cat. No. 36-216 and 36-250.

IV - 29. OTHER CONVERTED PAPER PRODUCTS INDUSTRIES (S.I.C. 279) BY YEAR, 1965-1986

Year	Establishments	Manufacturing activity						Total activity		
		Production and related workers			Employees ^a			Number	Total employees ^b	
		Person-hours paid	Wages	Fuel and electricity	Materials and supplies	Value of shipments of goods	Value added		\$000 000	\$000 000
Year	Establishments	Number	1 000	\$000 000	\$000 000	\$000 000	\$000 000	Number	\$000 000	\$000 000
1965	204	8 731	18 892	37	3	147	262	115	12 215	58
1970	213	10 531	22 240	60	4	208	384	176	16 071	197
1971	218	10 406	22 108	63	4	219	416	193	15 707	113
1972	231	10 784	22 613	71	5	239	453	213	16 177	124
1973	223	11 172	23 409	82	5	276	522	243	16 396	137
1974	219	12 009	24 733	98	7	377	690	326	17 422	162
1975	217	11 711	23 755	107	7	389	717	320	17 059	178
1976	215	11 473	23 469	119	9	435	778	343	16 772	195
1977	207	10 230	21 030	115	10	426	793	360	14 553	368
1978	242	11 120	22 728	134	13	477	867	382	15 456	187
1979	252	11 667	23 926	156	15	611	1 077	469	15 785	238
1980	272	12 215	24 979	179	18	795	1 351	544	16 602	278
1981	267	12 260	25 209	210	23	912	1 539	615	16 710	317
1982	260	10 443	21 665	197	25	910	1 502	568	14 804	317
1983	270	10 703	21 839	216	26	943	1 634	678	15 079	342
1984	270	11 357	22 862	237	29	1 041	1 768	709	15 854	367
1985	282	11 551	23 781	257	32	1 128	1 931	799	15 889	389
1986	284	12 165	25 205	277	30	1 222	2 047	822	16 375	417

^aExcluding working owners and partners.

Source: Statistics Canada Cat. No. 36-215 and 36-250.

Manufacturing industries	S.I.C. ^c	Establishments	Manufacturing activity						Total activity		
			Production and related workers			Fuel and Materials and supplies			Value of shipments of goods added	Salaries and wages	Number
			Person-hours paid	Wages	Electricity	Value of shipments of goods added	Value of goods added	Total employees ^a			
			1 000	\$000 000	\$000 000	\$000 000	\$000 000	\$000 000			
A. Forestry											
Sawmills, planing mills	2512	1 160	48 303	99 391	1 346	236	3 966	7 387	3 209	56 688	1 663
Shingle and shake industry	2511	134	2 405	4 285	55	5	138	231	86	2 550	60
Pulp and paper mills	271	142	60 386	128 137	2 189	1 619	6 335	15 072	7 020	79 570	2 999
Other wood industries	252-259	2 284	44 180	91 606	894	111	2 554	4 815	2 178	51 728	1 133
Other paper industries	272-279	556	28 494	59 002	704	80	3 022	4 995	1 915	37 493	1 004
Furniture and fixtures	261-269	1 822	48 393	106 137	889	50	1 934	4 012	2 064	55 514	1 106
Printing and publishing	281-284	5 654	77 725	153 508	1 970	85	3 849	10 371	6 461	123 210	3 325
B. Agriculture, food, beverage, tobacco	101,103-122	3 203	133 190	272 875	3 206	644	24 581	38 526	13 338	204 634	5 478
C. Fishing											
Fish products	102	404	25 340	49 330	388	43	1 387	2 286	876	28 934	475
D. Mining											
Smelting and refining	291,295	92	55 426	116 525	1 979	910	6 054	12 498	5 370	75 519	2 848
Metal semi-fabricating products	292-294, 296-299, 351-359	1 964	64 734	137 775	1 776	667	5 298	11 243	5 282	81 482	2 386
Metal-fabricated products	301-309	5 659	121 520	255 762	2 810	234	7 655	15 024	7 205	147 883	3 665
E. Energy											
Petroleum and coal products	361-369	126	6 359	14 122	265	316	12 798	15 756	1 901	15 066	664
F. Other											
Machinery (except electrical)	311-319	1 964	57 510	125 393	1 400	92	4 080	8 099	4 024	78 203	2 067
Transportation equipment	321-329	1 556	165 383	381 071	4 936	359	30 140	44 400	13 861	214 283	6 749
Electrical products	33-339	1 454	88 899	186 208	2 130	136	7 216	14 304	6 986	135 230	3 694
Chemicals, chemical products	371-379	1 316	47 288	100 783	1 357	989	9 110	18 639	8 495	87 637	2 843
Textile and clothing	181-249	3 687	149 054	306 783	2 300	209	6 152	11 866	5 607	172 838	3 023
Miscellaneous products	151-169, 171, 391-399	5 203	126 974	263 833	2 489	247	7 066	13 887	6 551	160 254	3 567
G. Total		38 380	1 351 563	2 852 526	33 083	7 032	143 336	253 411	102 429	1 808 716	48 749
		***									107 550

^aExcluding working owners and partners.^bExcluding primary industries.^c1980 Standard Industrial Classification.

Source: Statistics Canada Cat. No. 25-202 and 31-203.

SECTION V

EMPLOYMENT

Labour Force Survey

Labour Force Survey statistics are based on information obtained through a sample survey of households. Interviews are carried out in about 48 000 representative households across the country.

The sample used in the surveys of the labour force has been designed to represent all persons in the population 15 years of age and over residing in Canada, with the exception of the following: residents of the Yukon and Northwest Territories, persons living on Indian reserves, inmates of institutions, and full-time members of the armed forces.

A comprehensive description of the design of the Labour Force Surveys and a complete list of Self-Representative Units, can be found in "Methodology of the Canadian Labour Force Survey," Statistics Canada, Catalogue 71-526, Ottawa, 1976.

Employment: Employed persons are those who, during the reference week: a) did any work at all; b) had a job, but were not at work due to own illness or disability, personal or family responsibilities, bad weather, labour dispute, vacation, or other reasons (excluding persons on layoff and those with a job to start at a definite date in the future).

Census of Manufactures

The Census of Manufactures is an annual survey of the manufacturing industries of Canada.

Data are accepted for any fiscal year ending not earlier than April 1 of the reference year, nor later than March 31 of the following year. However, data of small establishments based on financial statements submitted to Revenue Canada relate to the taxation year, that is, any reporting year ending in the calendar year. These practices should be kept in mind in comparing census data with those compiled on a calendar year basis.

For detailed definitions and some qualifications to the preceding explanations, see Concepts and Definitions of the Census of Manufactures, Catalogue 31-528.

Employment: Excludes working owners and partners of unincorporated businesses, which are separately tabulated, and outside pieceworkers. Respondents are asked for average number employed during the year. Production and related workers in manufacturing activity include those at the establishment engaged in processing, assembling, storing, inspecting, handling, packing, maintenance, repair, janitorial and security services, and working foremen. Administrative office and other non-manufacturing employees include all functions at head offices, sales offices, and auxiliary units as well as cafeteria workers, research personnel, truck drivers, etc.

V - 1. EMPLOYMENT BY INDUSTRY SECTOR^a, 1970-1988

Year	Logging	Forestry related			Mining related			Agriculture related			Fishing											
		Wood industries		Paper and allied industries	Sawmills, planing, shingle mills		Total mills	Printing, publishing, paper Total mills		Crude furniture, Total fixture		Smelting and refining		Metal fabricating	Agriculture services	Food, feed, beverage, tobacco ^b services	Fishing, fishing products	Fish products	Conservation	Energy	Other	Total
		Sawmills	planing, shingle mills	Total	Forestry services	mill	Total	mill	Total	fixture	refining											
1 000 persons																						
1970	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1971	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1972	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1973	65	13	74	123	89	..	180	87	89	100	161	469	13	237	21	23	142	539	..	..	8761
1974	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1975	50	10	54	93	91	130	171	109	86	90	161	483	14	223	21	21	153	603	6 866	9 284	..	
1976	61	9	74	117	103	143	168	111	92	100	147	472	15	235	19	24	163	635	6 966	9 477	..	
1977	58	12	69	118	92	128	180	108	87	97	148	464	15	235	19	26	168	634	7 154	9 651	..	
1978	64	13	77	130	97	140	187	103	88	105	152	474	13	241	21	32	191	634	7 399	9 987	..	
1979	65	12	84	140	99	141	188	106	92	97	165	484	14	235	28	37	198	644	7 749	10 395	..	
1980	61	10	78	135	101	143	197	120	110	99	172	479	16	232	32	37	217	624	8 024	10 708	..	
1981	66	11	78	139	100	145	197	125	118	96	179	473	15	240	33	35	296	651	8 182	11 001	..	
1982	51	11	58	107	92	136	204	96	97	85	147	450	15	230	31	33	274	595	8 056	10 618	..	
1983	63	11	62	114	86	124	206	90	89	78	133	463	17	226	35	33	260	562	8 171	10 675	..	
1984	62	13	64	115	90	125	209	96	89	83	137	459	21	217	32	32	218	564	8 460	10 932	..	
1985	56	11	58	108	87	120	205	105	94	87	140	457	19	223	32	29	222	579	8 734	11 221	..	
1986	56	11	62	122	78	111	222	98	90	81	152	444	23	216	36	34	214	618	9 003	11 531	..	
1987	54	14	66	131	83	120	235	102	95	83	158	439	23	224	36	33	207	673	9 234	11 861	..	
1988	60	11	64	136	98	132	231	102	110	82	157	423	21	225	40	36	219	726	9 533	12 244	..	

^aUnadjusted series.^bExcluding fish products.

Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
1 000 persons											
A. Employed labour force											
1970	129										
1971	135	37	256	197	2 128	3 037	371	633	805	7 919	
1972	140	36	261	205	2 175	3 113	379	334	834	8 104	
1973	151	39	275	214	2 205	3 239	386	336	671	8 344	
1974	149	41	292	221	2 330	3 380	402	343	706	8 761	
1975	152	42	292	224	2 401	3 523	419	350	754	9 125	
1976	157	42	292	226	2 456	3 643	425	378	838	9 284	
1977	159	43	292	224	2 476	3 708	428	390	880	9 477	
1978	162	45	303	234	2 530	3 835	439	398	937	9 651	
1979	170	46	311	243	2 619	3 993	450	411	1 007	9 987	
1980	178	47	321	249	2 694	4 053	458	417	1 078	1 144	10 395
1981	179	47	322	253	2 723	4 171	461	425	1 151	1 213	10 708
1982	173	45	313	242	2 574	4 063	454	426	1 127	1 270	11 001
1983	172	48	319	245	2 616	4 089	459	434	1 102	1 190	10 618
1984	174	49	335	247	2 692	4 235	470	436	1 104	1 191	10 675
1985	174	50	333	255	2 768	4 377	475	446	1 124	1 220	11 932
1986	179	51	341	262	2 825	4 524	486	452	1 142	1 270	11 221
1987	183	52	350	272	2 918	4 689	492	453	1 146	1 306	11 531
1988	193	54	366	280	3 001	4 862	494	451	1 186	1 358	11 861
											12 244
B. Unemployment rate											
1970	7.3	x	6.3	7.0	4.4	5.3	4.2	5.7	5.1	7.7	
1971	8.4	x	7.0	6.1	7.3	5.4	3.5	5.7	5.7	7.2	
1972	9.2	10.8	7.0	7.0	7.5	5.0	5.4	4.4	5.6	7.8	
1973	10.0	x	6.6	7.7	6.8	4.3	4.6	3.5	5.3	6.7	
1974	13.0	x	6.8	7.5	6.6	4.4	3.6	2.8	3.5	6.2	
1975	14.0	8.0	7.7	9.8	8.1	6.3	4.5	2.9	4.1	8.5	
1976	13.3	9.6	9.5	11.0	8.7	6.2	4.7	3.9	4.0	8.6	
1977	15.5	9.8	10.6	13.2	10.3	7.0	5.9	4.5	4.5	8.5	
1978	16.2	9.8	10.5	12.5	10.9	7.2	6.5	4.9	4.7	8.3	
1979	15.1	11.2	10.1	11.1	9.6	6.5	5.3	4.2	3.9	7.6	
1980	13.3	10.6	9.7	11.0	9.8	6.8	5.5	4.4	3.7	6.8	
1981	13.9	11.2	10.1	11.5	10.3	6.6	5.9	4.6	3.8	6.7	
1982	16.7	12.9	13.1	14.1	13.8	9.7	8.5	6.1	7.7	7.5	
1983	18.7	12.2	13.2	14.8	13.9	10.3	9.4	7.3	12.1	11.0	
1984	20.2	12.8	13.0	14.8	12.8	9.0	8.4	8.0	10.6	13.8	
1985	20.8	13.3	13.6	15.1	11.8	8.0	8.2	8.1	11.1	14.7	
1986	19.2	13.4	13.1	14.3	11.0	7.0	7.7	7.7	10.0	14.1	
1987	17.9	13.2	12.3	13.1	10.3	6.1	7.4	9.6	12.5	9.5	
1988	16.4	13.0	10.2	12.0	9.4	5.0	7.8	7.5	11.9	8.8	
									10.3	7.8	7.8

^aUnadjusted series.

Source: Statistics Canada, Cat. No. 71-201, Labour Force Survey.

V - 3. EMPLOYMENT IN THE FOREST INDUSTRIES BY SECTOR^a, 1961-1986

Year	Logging	Wood industries						Paper and allied industries			
		Sawmills and planing mills	Shingle and shake industry	Veneer and plywood industries	Sash door, and other millwork industries		Other wood industries	Total	Pulp and paper mills	Other paper industries	Total forest industries
									
1961	..	46 688	..	..	14 265	14 122	10 826	91 588	69 897	40 283	110 180
1965	60 701	50 848	1 527	..	..	..	..	..	..	..	..
1970	52 230	48 776	1 450	12 259	15 432	9 912	87 829	80 371	40 709	121 080	261 139
1971	47 284	50 963	1 687	12 650	16 494	10 052	91 846	79 397	40 312	119 709	258 839
1972	47 553	57 111	1 798	13 664	19 547	10 579	102 699	78 969	41 789	120 758	271 010
1973	57 586	62 476	1 883	14 478	21 675	11 088	111 600	80 085	43 053	123 138	292 324
1974	59 491	58 346	1 540	13 291	22 214	11 229	106 620	86 203	45 072	131 275	297 386
1975	53 622	49 156	1 609	12 732	23 083	11 137	97 717	84 046	43 296	127 342	278 681
1976	49 878	56 408	1 813	13 003	24 224	10 730	106 178	86 995	43 212	130 207	286 263
1977	49 445	60 445	1 754	13 695	22 641	10 125	108 660	84 533	39 930	124 463	282 568
1978	53 753	66 457	2 159	14 067	25 468	10 853	119 004	85 601	41 182	126 783	299 540
1979	56 614	68 328	1 986	13 618	25 972	12 144	122 048	87 055	41 863	128 918	307 580
1980	54 370	66 278	2 034	12 363	24 866	11 766	117 307	86 872	43 438	130 310	301 987
1981	48 402	62 774	1 712	11 323	25 559	11 202	112 570	87 882	43 142	131 024	291 996
1982	49 156	53 698	1 421	10 344	21 294	10 293	97 050	83 104	34 565	117 669	254 875
1983	45 943	58 135	1 539	9 724	22 925	9 642	101 965	79 164	35 144	114 308	262 216
1984	48 022	58 767	1 648	9 174	22 740	10 612	102 941	79 404	36 395	115 799	266 762
1985	45 962	58 961	2 272	9 058	25 884	11 385	107 560	77 562	36 625	114 187	267 709
1986	45 760	56 688	2 550	8 780	30 692	12 256	110 966	79 570	37 493	117 063	273 789

^aExcluding working owners and partners.

Source: Statistics Canada Cat. No. 25-202, Census of manufactures.

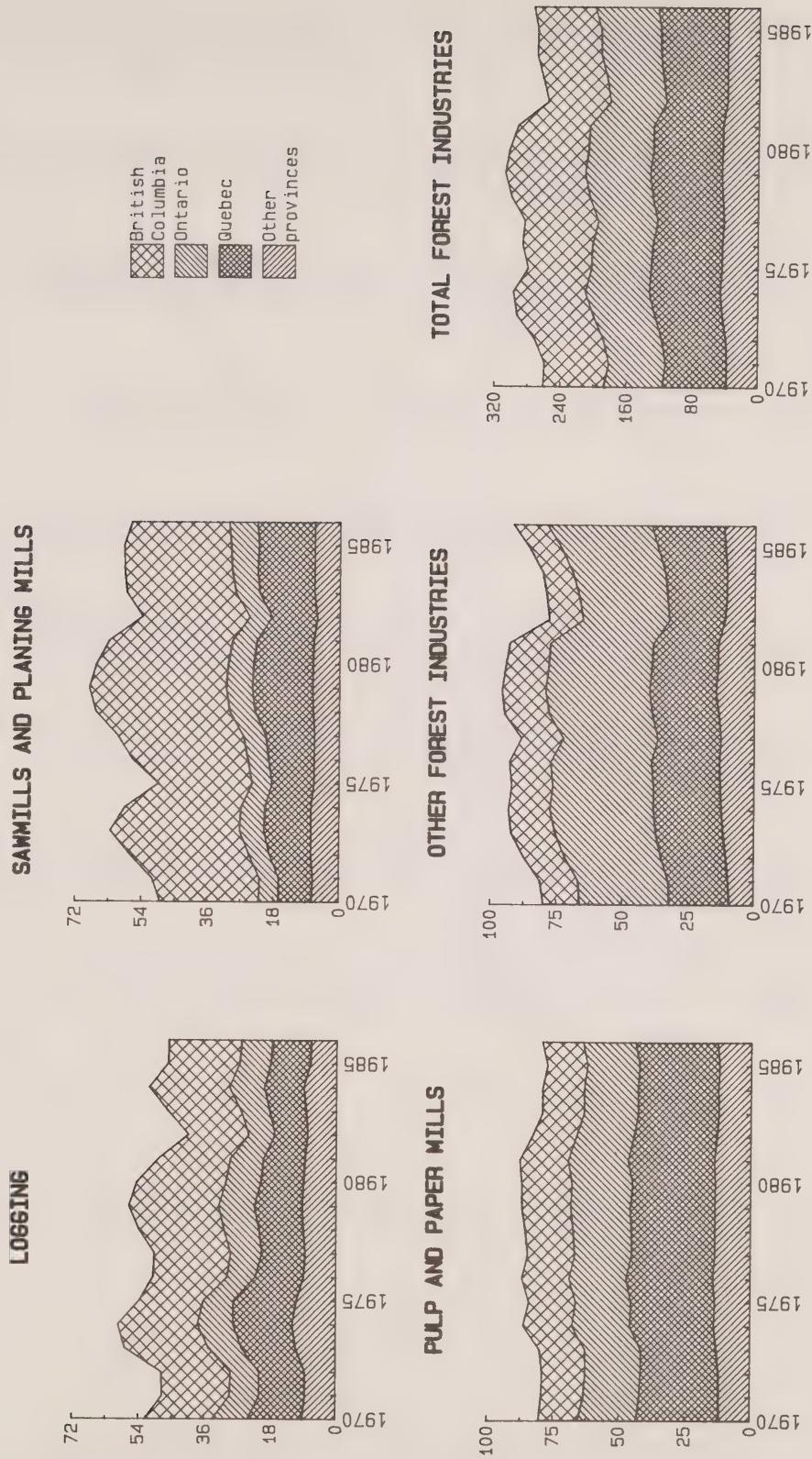


Figure 24. Employment in the forest industries by sector and region, 1970-1986
Source: Statistics Canada, Cat. No. 25-201 and 25-202.

V - 4. EMPLOYMENT BY FOREST INDUSTRY SECTOR AND PROVINCE^a, 1970-1986

Sector/year	Mfld.	P.F.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada
A. Logging											
1970	2 439	-	1 523	3 599	14 815	9 567	386	549	747	18 581	52 230
1971	1 778	-	1 427	3 466	12 521	8 125	432	518	652	18 364	47 284
1972	1 881	-	1 273	3 348	12 364	7 783	520	626	782	18 976	47 553
1973	2 404	-	1 524	4 533	14 690	8 983	563	677	1 306	22 906	57 586
1974	2 579	-	1 675	4 741	16 115	9 673	693	843	1 456	21 716	59 491
1975	1 319	-	1 592	4 134	17 288	8 028	769	851	1 141	17 500	53 622
1976	1 588	-	1 117	3 852	13 135	7 694	670	616	1 052	20 154	49 878
1977	1 625	-	1 098	3 547	11 834	8 447	567	511	980	20 836	49 445
1978	1 324	-	1 229	4 269	11 959	9 569	578	616	1 041	23 168	53 753
1979	x	x	1 178	4 377	13 065	9 684	500	682	1 151	24 474	56 614
1980	x	x	1 083	4 140	11 575	9 578	527	605	1 020	24 270	54 370
1981	1 580	5	1 030	3 808	11 257	9 003	578	599	981	19 561	48 402
1982	1 614	12	1 021	3 188	8 994	7 079	449	575	853	16 371	40 156
1983	1 328	9	1 190	4 051	9 881	7 826	446	560	746	19 906	45 943
1984	1 241	11	1 244	3 217	10 504	9 326	554	617	722	20 586	48 022
1985	1 205	x	1 472	2 831	10 802	8 482	423	532	714	19 488	45 962
1986	1 067	18	1 246	2 970	10 363	8 527	352	506	863	19 848	45 760
B. Wood industries											
1970	429	59	2 182	19 483	16 664	1 233	933	1 035	5 002	41 652	87 829
1971	447	69	1 889	3 570	19 975	16 835	1 330	1 228	5 717	45 819	102 699
1972	448	65	2 065	3 886	23 200	18 598	1 634	1 236	6 065	49 547	111 600
1973	505	72	1 982	3 967	25 592	20 662	1 943	2 057	6 241	44 866	106 620
1974	538	75	2 124	4 225	24 771	20 507	1 979	2 41	6 555	97 717	
1975	482	x	2 210	3 838	23 959	19 284	1 957	1 593	5 614		
1976	392	87	2 234	3 949	25 239	19 872	1 903	1 552	6 250	44 645	106 178
1977	380	110	2 001	3 487	25 345	20 110	1 835	1 656	6 100	47 605	108 660
1978	414	194	2 203	3 759	29 132	21 942	1 998	1 803	6 571	50 955	119 004
1979	374	x	2 151	4 338	29 782	22 902	2 060	1 867	6 967	51 369	122 048
1980	330	162	1 980	4 245	29 213	21 348	1 993	1 596	6 634	49 708	117 307
1981	334	128	1 802	3 956	27 976	20 970	2 158	1 620	6 904	46 627	112 570
1982	263	112	1 618	3 151	23 566	19 011	1 852	1 343	5 765	40 309	97 050
1983	380	139	1 879	3 510	27 367	19 562	2 010	x	5 418	40 392	101 965
1984	335	219	1 867	3 503	28 603	20 840	1 932	1 233	5 508	38 901	102 941
1985	445	208	1 995	3 764	29 588	23 207	2 104	1 260	5 386	39 603	107 560
1986	399	207	2 053	4 205	31 891	25 852	2 223	1 264	5 668	37 204	110 966

V - 4. EMPLOYMENT BY FOREST INDUSTRY SECTOR AND PROVINCE^a, 1970-1986 (CONCLUDED)

Sector/year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Canada b	
C. Paper and allied industries												
1970	x	-	2 850	5 575	43 743	44 894	1 835	x	1 622	17 089	121 080	
1971	x	-	3 077	5 603	42 125	43 867	1 902	x	1 562	18 327	119 709	
1972	x	-	3 043	5 505	41 988	44 580	2 192	x	1 680	18 804	120 758	
1973	x	-	3 253	5 595	41 427	45 391	2 182	x	1 743	19 782	123 138	
1974	x	-	3 319	5 925	45 367	47 404	x	x	2 155	20 768	131 275	
1975	x	-	3 309	5 898	44 695	45 178	2 284	x	2 208	20 225	127 342	
1976	x	-	3 336	6 433	45 923	45 645	2 240	x	2 336	20 404	130 207	
1977	x	-	3 338	6 124	43 633	43 488	2 089	x	2 254	20 320	124 463	
1978	x	-	3 513	5 980	43 736	45 209	2 159	x	2 338	20 655	126 783	
1979	x	-	3 175	6 145	44 333	46 172	x	x	2 575	20 998	128 918	
1980	x	-	3 163	6 016	43 556	47 861	2 408	x	2 384	21 540	130 310	
1981	x	-	3 340	x	45 011	47 381	2 361	x	2 499	20 660	131 024	
1982	x	-	5 484	x	41 457	41 597	2 041	x	2 210	18 458	117 669	
1983	x	-	2 877	5 143	40 829	41 001	1 859	x	2 239	17 390	114 308	
1984	x	-	2 993	5 738	41 107	41 690	1 746	x	2 187	17 433	115 799	
1985	x	-	3 102	5 609	41 231	40 990	1 526	x	2 264	16 850	114 187	
1986	x	-	3 136	6 351	42 470	41 429	1 507	x	2 297	17 254	117 063	
D. Forest industries												
1970	x	x	6 555	12 779	78 041	71 125	3 454	x	7 221	73 999	261 139	
1971	x	x	6 393	12 639	74 621	68 827	3 664	x	7 216	78 343	258 839	
1972	x	x	6 381	12 739	77 552	70 961	3 846	x	8 179	83 599	271 010	
1973	x	x	6 759	14 095	81 709	75 036	4 688	x	9 114	92 335	292 324	
1974	x	x	7 118	14 891	86 253	77 584	x	x	9 852	87 350	297 386	
1975	x	x	7 111	13 870	85 942	72 490	5 010	x	8 963	76 380	278 681	
1976	x	x	87	6 687	14 234	84 297	73 211	4 813	x	9 638	85 203	286 263
1977	x	x	110	6 437	13 158	80 812	72 045	4 491	x	9 334	88 761	282 568
1978	x	x	194	6 945	14 008	84 827	76 720	4 735	x	9 850	94 778	299 540
1979	x	x	6 504	14 860	87 180	78 758	x	x	10 693	96 841	307 580	
1980	x	x	6 226	14 446	84 344	78 787	4 928	x	10 038	95 518	301 987	
1981	x	x	133	6 172	84 244	77 354	5 097	x	10 384	86 848	291 996	
1982	x	x	124	11 823	74 017	67 687	4 342	x	8 828	75 138	254 875	
1983	x	x	148	5 946	12 704	78 077	68 389	4 315	x	8 403	77 688	262 240
1984	x	x	230	6 104	12 458	80 214	71 167	4 232	x	8 417	76 920	266 762
1985	x	x	6 569	12 204	81 621	72 679	4 053	x	8 364	75 941	267 709	
1986	x	x	6 435	13 526	84 724	75 808	4 082	x	8 828	74 506	273 789	

^aCensus of manufactures.
^bIncluding Yukon and Northwest Territories.

Source: Statistics Canada Cat. No. 25-202.

EMPLOYMENT

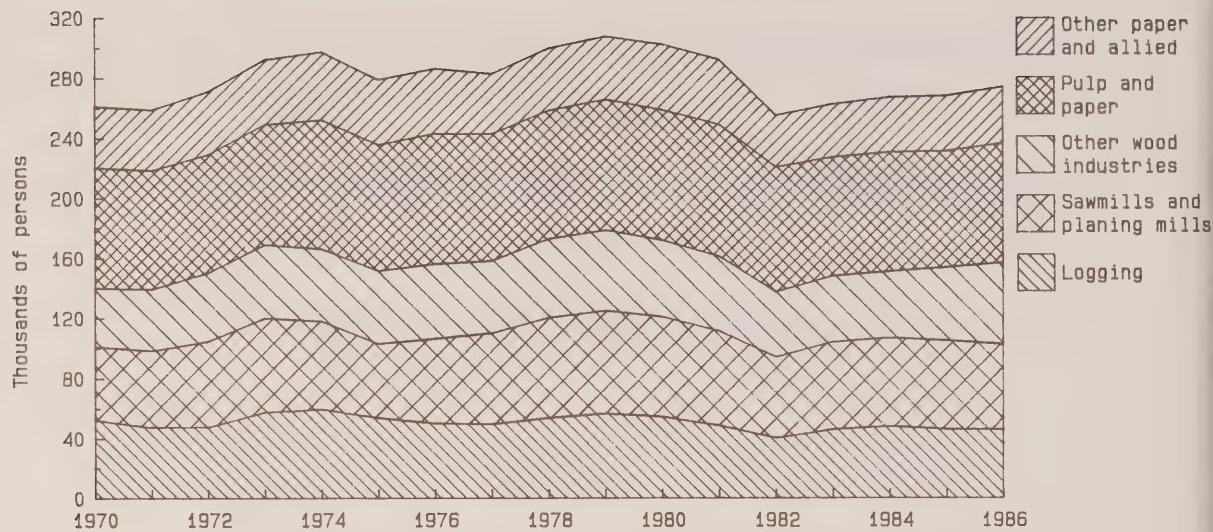


Figure 25. Employment in the forest industries by sector, 1970-1986.

Source: Statistics Canada, Census of manufactures, Cat. No. 25-202.

EMPLOYMENT

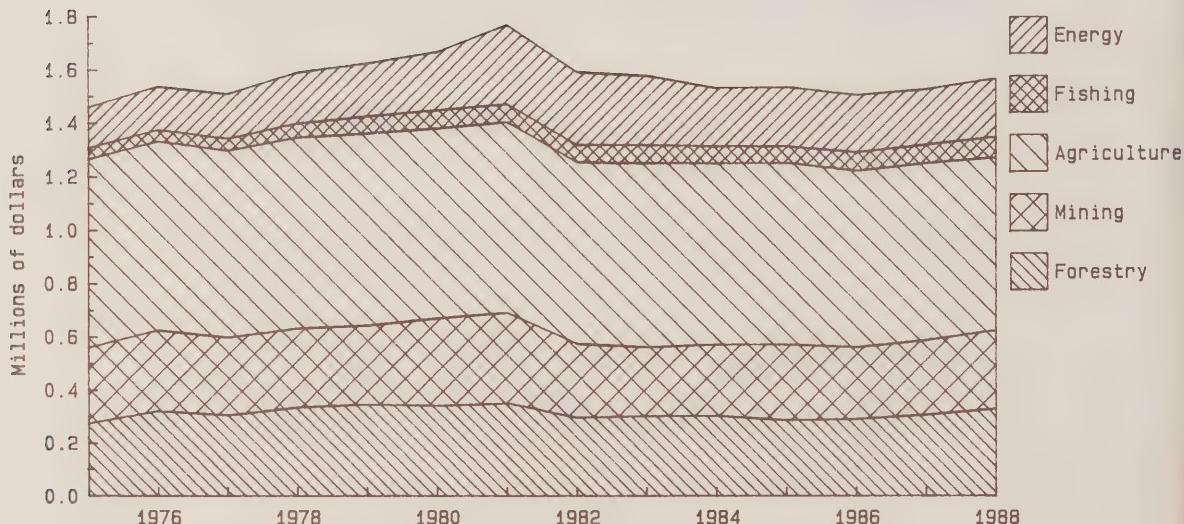


Figure 26. Employment by industry sector, 1975-1988.

Source: Statistics Canada, Cat. No. 71-201 and Labour Force Survey.

SECTION VI

SELLING PRICE INDEXES AND ANNUAL AVERAGE PRICES

The Industrial Product Price Indexes measure price changes for major commodities sold by Canadian manufacturers. Elemental indexes are calculated for 1314 Principal Commodity Group outputs as defined in the 1981 Input/Output (I/O) table. Weights used to aggregate commodity indexes are taken from the output or "Make" matrix of the I/O system which provides an integrated set of commodity values for all manufacturing industries.

About 10 000 prices are collected monthly from about 3 000 producers for goods sold which are valued at the boundary of the establishment, so that the cost of taxes collected at that point and transportation provided by public carriers beyond that point are excluded. Prices are reported in great detail for some transactions, enabling both the goods and the terms of sale to be identified. Such collections are instituted for important commodities. The sample size is increased where price movement has a regional aspect or where there are large flows of goods to export markets.

Sampling for the direct survey of an elemental indicator is usually done by a formal probability sampling procedure, wherein important producers are "must take" respondents and a random selection is made of the smaller producers. Such samples are redesigned according to a regular cycle as dictated by changes in the market. A given elemental indicator is usually supported by 12 to 15 price quotes, although some are derived from as few as 8 quotes or as many as 30 quotes.

The 1981 = 100 industry aggregation of elemental commodities can be directly related to the 1971 = 100 Industry Selling Price Indexes which are available from 1956 to 1987. Link factors, derived from the relationship of the two series in December 1985, were published in the January issue of Catalogue 62-011.

In 1988, the time series related to forest products have been modified to accommodate actual needs. The new time series are only available as of 1981.

VI - 1. SELECTED FOREST INDUSTRY SELLING PRICE INDEXES, 1956-1988
(1981 = 100)

Year	Wood industries			Paper and allied industries		
	Sawmills and planing mills	Shingle mills	Veneer and plywood mills	Total	Pulp and paper mills	Total
1956	33.6	18.4	31.8	29.3	25.5	27.0
1960	31.9	16.8	27.9	28.5	26.0	27.6
1965	34.7	22.1	30.1	31.3	27.6	29.1
1970	37.7	27.2	33.8	36.5	30.5	32.6
1971	43.5	33.3	37.5	40.7	30.3	32.7
1972	55.1	46.5	45.0	49.8	30.5	33.0
1973	70.5	54.2	51.8	61.9	36.4	36.6
1974	64.1	47.1	57.9	60.8	46.7	49.6
1975	63.5	58.3	59.8	61.7	57.4	58.3
1976	71.3	74.5	63.6	68.4	58.2	59.7
1977	83.0	90.0	65.8	76.9	62.1	63.2
1978	100.9	104.0	82.8	91.8	65.7	66.7
1979	119.5	102.9	90.9	106.3	78.4	78.3
1980	105.8	99.9	89.3	99.7	91.1	90.6
1981	100.0	100.0	100.0	100.0	100.0	100.0
1982	98.5	95.9	93.2	99.6	101.3	103.3
1983	111.4	113.2	101.1	109.8	95.1	99.9
1984	106.3	119.0	97.4	107.6	108.4	111.2
1985	107.8	107.2	100.2	109.7	108.5	112.6
1986	117.6	112.8	115.5	118.9	113.9	117.3
1987	119.2	115.9	115.5	122.0	126.6	128.4
1988	122.1	133.3	113.7	124.6	140.2	140.8

Source: Statistics Canada Cat. No. 62-011.

VI - 2. SELLING PRICE INDEXES - LUMBER PRODUCTS, 1981-1988

Year	Domestic	Export	Softwood lumber by species						Softwood lumber market						
			Softwood lumber			Spruce-pine-fir			Northern American			Overseas			
			Douglas-fir	Western red cedar	B.C.	B.C.	Canada	B.C.	Coast	B.C.	Coast	Atlantic	Que.	Ont.	Prairies
1981	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1982	98.6	96.6	92.9	105.3	94.4	102.9	97.8	94.2	96.1	95.3	93.4	95.3	95.3	95.3	100.5
1983	120.3	121.6	107.4	134.3	120.9	130.4	99.7	118.8	118.5	115.3	117.6	115.3	117.6	117.6	122.0
1984	116.2	111.1	101.9	130.1	110.7	121.4	97.8	120.1	113.4	113.4	109.1	113.4	109.1	110.0	113.4
1985	113.3	113.1	104.7	117.7	113.3	118.4	102.1	119.4	117.5	115.8	115.1	111.0	115.4	115.4	115.4
1986	123.5	127.3	101.5	130.0	128.7	129.1	118.0	131.4	123.0	126.9	125.4	127.4	127.3	127.3	127.3
1987	123.0	125.9	107.6	131.2	123.4	131.6	153.4	144.8	127.0	117.9	111.7	122.9	132.0	132.0	132.0
1988	126.9	127.2	117.6	139.6	117.3	137.1	186.7	133.2	120.5	107.6	107.7	123.7	143.2	143.2	143.2

Note: Prices are factory gate selling prices for goods of domestic production.

Source: Statistics Canada Cat. No. 62-011.

VI - 3. SELLING PRICE INDEXES - WOOD PULP AND PAPER PRODUCTS, 1981-1988

Year	Wood pulp						Paper products					
	Sulphite bleached		Sulphate bleached		Newsprint		Other paper for printing		Fine papers n.e.s.		Wrapping paper	
	Domestic	Export	Domestic	Export	Domestic	Export	Domestic	Export	Domestic	Export	Domestic	Export
1981	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1982	94.0	92.3	92.4	95.1	93.6	109.3	104.7	103.7	105.8	105.7	105.6	106.2
1983	81.8	76.0	79.7	85.7	80.9	104.8	98.7	105.5	106.5	102.5	110.2	109.3
1984	101.7	91.6	97.1	104.4	102.3	115.1	109.6	113.9	114.8	107.4	120.4	112.3
1985	88.1	85.1	83.7	93.4	87.3	126.5	119.7	121.5	116.2	109.8	123.7	118.5
1986	97.7	91.3	95.6	100.8	98.2	128.8	123.0	122.4	119.6	115.7	125.4	118.0
1987	121.0	116.4	119.2	127.0	122.4	136.2	129.2	126.1	127.9	125.7	134.6	115.2
1988	141.1	132.3	138.3	149.2	143.0	152.1	137.5	138.8	139.4	136.5	144.1	115.2

Note: Prices are factory gate selling prices for goods of domestic production.

Source: Statistics Canada Cat. No. 62-011.

VI - 4. SELLING PRICE INDEXES - OTHER FOREST PRODUCTS, 1981-1988

Year	Veneer				Plywood			
	Wood chips	Shingles	Shakes	Birch	Other hardwoods	Softwoods	Birch	Other hardwoods
1981	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1982	106.1	98.1	92.8	89.3	103.0	92.1	101.6	94.6
1983	85.4	110.6	118.8	98.7	109.3	100.5	105.3	101.5
1984	88.0	115.5	126.0	100.5	113.2	99.6	114.8	108.1
1985	87.3	103.9	112.7	85.1	113.6	107.1	113.6	107.6
1986	87.7	107.9	125.6	95.4	117.3	116.6	120.9	110.5
1987	97.5	109.0	124.7	106.6	121.4	120.1	120.9	118.1
1988	106.8	125.6	145.0	102.6	125.8	121.3	116.9	117.5
								104.9
								119.4

Note: Prices are factory gate selling prices for goods of domestic production.

Source: Statistics Canada Cat. No. 62-011.

ANNUAL AVERAGE PRICE STATISTICS FOR SELECTED FOREST PRODUCTS, 1970-1988

After the years before 1975, the prices shown are for 32-round newsprint: the prices shown in subsequent years are for 30-round newsprint.

Source: Random Lancashire Yearbook

SECTION VII

FINANCIAL STATISTICS AND ECONOMIC INDICATORS

- Capital and repair expenditures
- Contribution to Canadian Gross Domestic Product
- Corporate profits and profitability
- Economic indicators
- Income taxes

Gross Domestic Product

Since 1986, the gross domestic product (GDP) replaced the gross national product (GNP) in table VII-6 as a measure of the Canadian collective income. This change is in accordance with the System of National Accounts of Statistics Canada and with the international practice recommended by the United Nations.

According to Statistics Canada, the GDP allows for a better analysis of the economic performance of the country as it measures the production originating in the country, whereas the GNP is adjusted for the flow of interests and incomes crossing the national border.

In table VII-6, VII-7, VII-8 and VII-9, you will notice that the national GDP is shown to be greater than the sum of the provincial GDPs. This is mainly because the domestic territory of the country is defined to include embassies and military bases on foreign soil. Thus there is Canadian domestic production that does not occur within the geographic boundaries of any province or territory.

Statistics Canada's change of approach results in an upward revision of the aggregate estimations. New surveys and information sources have allowed re-examination of the data from 1961 until 1985. The major sources of change are: day care fees, unrecorded income in construction, indirect taxes and investment income of municipalities, and residential repairs.

More details are available from Statistics Canada, catalogue 13-001, first quarter 1986, and catalogue 13-213.

VII - 1. CORPORATE PROFITS AND PROFITABILITY^a - FOREST INDUSTRIES, 1970-1986

Year	Wood industries			Paper and allied industries			Manufacturing industries		
	Before tax		After tax	Profitability	Before tax		Profitability	Before tax	
	\$000 000	%			\$000 000	%		\$000 000	%
1970	-13	-22	-0.6	229	155	3.7	2 899	1 662	5.5
1971	51	10	1.8	111	64	2.2	3 679	2 179	6.7
1972	189	90	6.0	139	65	2.4	4 361	2 590	7.5
1973	480	284	15.7	799	573	10.1	6 607	4 142	10.6
1974	188	94	6.2	1 337	852	12.2	8 697	5 272	11.6
1975	60	9	1.5	826	574	7.8	7 652	4 564	9.1
1976	206	94	5.1	573	343	5.4	7 367	4 542	8.5
1977	402	232	9.7	582	308	4.5	9 397	4 561	6.8
1978	750	474	15.7	1 191	817	8.9	10 085	6 492	9.7
1979	874	546	15.6	1 621	905	14.2	9 064	5 715	11.6
1980	380	242	6.4	2 465	1 604	13.0	15 109	9 498	10.6
1981	69	36	1.7	2 096	1 536	10.3	14 396	9 076	8.8
1982	-277	-190	-3.2	-39	28	1.4	4 910	2 844	3.4
1983	220	167	4.9	-25	32	1.1	8 796	5 715	5.7
1984	173	137	4.1	917	714	4.8	15 767	10 704	8.7
1985	413	318	7.3	778	446	3.2	14 371	9 172	6.9
1986	749	530	10.4	1 992	1 227	6.2	19 260	12 994	8.4

^a Profitability as a measure of return on capital employed was obtained by dividing after-tax profits plus interest on long-term debt by capital employed.

Source: Statistics Canada Cat. No. 61-207.

VII - 2. CORPORATE INCOME TAXES PAID BY FOREST INDUSTRIES, 1970-1987

Year	Forestry			Wood industries			Paper and allied industries			Total		
	Federal	Provincial	Total	Federal	Provincial	Total	Federal	Provincial	Total	Federal	Provincial	Total
				\$000 000			\$000 000			\$000 000		
1970	4.4	1.5	5.9	12.3	4.3	16.6	57.9	15.8	73.7	74.6	21.6	96.2
1971	4.3	1.7	6.0	21.3	6.8	28.1	45.1	12.7	57.8	70.7	21.2	91.9
1972	7.7	2.7	10.4	51.9	15.9	67.8	51.9	17.4	69.3	111.5	36.0	147.5
1973	14.4	5.0	19.4	94.1	35.0	129.1	107.0	39.8	146.8	215.5	79.8	295.3
1974	11.8	4.2	16.0	48.2	19.5	67.7	219.4	85.6	305.0	279.4	109.3	388.7
1975	7.0	2.9	9.9	38.6	16.2	54.8	108.8	44.3	153.1	154.4	63.4	217.8
1976	7.9	5.0	12.9	58.6	28.5	87.1	96.8	45.3	142.1	163.3	78.8	242.1
1977	10.5	7.1	17.6	79.5	38.5	118.0	97.1	45.8	142.9	187.1	91.4	278.5
1978	10.7	7.7	18.4	127.0	68.0	195.0	156.3	80.4	236.7	294.0	156.1	450.1
1979	24.4	14.9	39.3	161.6	86.8	248.4	298.7	160.6	459.3	484.7	262.3	747.0
1980	32.2	17.8	50.0	67.9	39.3	107.2	331.4	176.4	507.8	431.5	233.5	665.0
1981	13.2	9.0	22.2	45.5	25.4	70.9	201.9	110.9	312.8	260.6	145.3	405.9
1982	10.3	5.8	16.1	27.4	12.0	39.4	73.1	41.1	114.2	110.8	58.9	169.7
1983	12.3	7.1	19.4	45.3	20.1	65.4	60.5	34.9	95.4	118.1	62.1	180.2
1984	15.7	8.7	24.4	37.5	21.1	58.6	87.0	72.2	159.2	140.2	102.0	242.2
1985	15.5	9.0	24.5	40.9	27.0	67.9	118.1	89.9	208.0	174.5	125.9	300.4
1986	16.4	11.2	27.6	69.5	46.3	115.8	135.5	119.5	255.0	221.4	177.0	398.4
1987p	19.0	12.8	31.8	115.4	69.2	184.5	270.0	179.8	449.9	404.4	261.8	666.2

Source: Statistics Canada Cat. No. 61-208 and 61-208P.

VII - 3. PROVINCIAL ALLOCATION OF TAXABLE INCOME BY FOREST INDUSTRY SECTOR AND PROVINCE, 1970-1987

Sector/ Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon and N.W.T.	Other a	Canada
	\$000												
A. Forestry													
1970	x	-	155	344	866	832	x	x	x	18 603	-	x	21 456
1971	206	177	528	1 763	954	66	-	528	16 399	-	x	20 670	
1972	132	-	303	712	x	2 577	23	415	23 963	x	-	29 690	
1973	189	-	861	612	1 871	4 645	x	495	43 378	x	x	52 169	
1974	271	-	1 674	741	2 234	4 172	x	x	32 290	-	x	42 160	
1975	108	-	545	834	x	2 105	x	224	x	22 015	x	-	28 942
1976	215	-	501	872	2 973	2 753	x	332	1 474	34 246	x	-	43 436
1977	109	-	x	902	2 628	3 429	29	325	1 597	45 937	x	x	56 817
1978	140	-	1 622	1 280	x	5 573	77	372	1 478	50 102	x	x	65 406
1979	305	-	2 637	1 607	11 299	7 589	x	x	2 451	99 676	x	x	126 210
1980	434	-	3 512	1 963	12 282	11 374	x	x	2 798	114 621	x	x	147 949
1981	481	-	2 713	2 197	11 658	8 525	x	908	x	54 577	x	x	197 84 185
1982	604	x	1 372	2 189	14 358	9 983	x	759	2 313	42 889	x	x	75 200
1983	570	x	1 101	x	17 516	11 600	471	938	x	59 001	x	x	98 463
1984	526	x	3 318	4 955	29 531	17 780	482	x	x	63 791	x	x	125 607
1985	703	x	2 993	5 532	36 585	17 139	489	x	3 927	63 151	x	x	132 406
1986	819	x	3 767	6 802	37 307	20 825	543	1 756	5 381	68 605	x	x	145 331
1987p	1 426	x	5 031	5 922	43 975	21 844	441	1 674	x	79 349	x	x	166 564
										782			
B. Wood industries													
1970	x	x	835	722	10 746	10 789	399	361	4 089	11 323	-	-	39 326
1971	51	x	996	646	14 473	13 273	457	1 773	5 114	32 558	-	-	69 343
1972	73	x	1 775	1 081	32 502	22 433	627	4 851	15 921	82 103	x	-	162 635
1973	149	x	3 124	6 996	64 166	39 709	1 561	6 640	14 949	201 771	x	-	339 351
1974	x	31	4 219	6 879	40 992	37 986	1 455	2 210	8 552	80 340	x	-	182 922
1975	x	421	3 672	4 442	29 039	32 336	2 085	4 612	10 903	62 144	-	x	150 364
1976	x	4 959	1 918	37 071	35 027	3 192	2 980	17 526	142 174	-	-	-	245 446
1977	x	120	4 171	2 519	57 050	35 196	3 559	4 678	14 638	206 250	-	x	332 455
1978	x	128	3 879	4 234	65 469	52 091	3 981	10 233	23 071	391 233	-	x	554 759
1979	x	179	6 014	8 177	107 581	79 470	3 869	8 082	33 625	449 784	-	x	490 697 696
1980	253	116	x	3 647	62 435	57 150	2 856	3 399	15 243	170 238	x	x	201 318 650
1981	265	93	1 909	2 781	44 300	58 474	3 683	2 807	12 833	80 440	-	50	207 635
1982	250	78	2 004	2 425	38 123	46 402	3 130	1 522	8 654	31 228	x	x	133 859
1983	296	303	3 382	x	83 914	58 587	6 653	6 237	6 909	64 391	277	236 027	
1984	400	x	4 951	10 597	108 098	67 429	6 872	5 621	8 722	57 861	x	x	270 794
1985	576	x	5 608	5 810	104 167	74 924	6 546	6 338	11 182	92 700	x	x	165 308 054
1986	411	x	7 624	14 615	128 725	86 142	7 237	4 479	15 375	195 267	x	x	106 460 086
	122	530	7 458	19 523	151 913	13 257	13 257	5 688	22 639	330 125	x	x	662 807

VII - 3. PROVINCIAL ALLOCATION OF TAXABLE INCOME BY FOREST INDUSTRY SECTOR AND PROVINCE, 1970-1987 (CONCLUDED)

Sector/ Year	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Yukon and N.W.T.	Other ^a	Canada
C. Paper and allied industries													
													\$000
1970	94	-	3 803	2 438	25 414	58 362	4 696	239	8 316	42 877	-	40	146 279
1971	63	x	2 961	1 175	27 767	40 439	3 142	411	6 581	41 345	-	x	124 160
1972	125	-	3 022	1 081	38 277	46 339	2 455	457	5 438	53 904	-	407	151 505
1973	404	244	5 684	11 515	78 749	112 882	5 083	865	15 904	127 537	-	1 662	360 529
1974	19 466	x	11 700	32 087	278 793	261 061	10 402	1 746	35 206	92 699	-	1 046	744 411
1975	14 706	x	35 107	16 689	154 556	107 563	3 578	639	32 969	20 936	x	387 540	
1976	365	-	26 872	3 216	107 528	70 511	1 904	4 221	34 611	125 506	x	375 114	
1977	10 010	-	34 381	x	119 398	81 251	3 939	3 058	27 012	105 022	-	x	392 895
1978	35 689	35	34 085	6 379	252 538	151 874	2 620	972	18 892	140 532	x	644 059	
1979	48 669	x	63 381	17 075	439 221	284 771	4 612	1 965	39 133	391 886	x	245	1 291 115
1980	55 351	x	100 660	40 659	486 492	409 936	9 395	34 455	54 367	184 971	-	x	1 378 262
1981	51 926	x	67 579	21 207	207 481	365 371	8 815	5 789	39 790	64 293	x	837 138	
1982	2 351	-	29 912	4 868	139 913	108 618	6 685	x	33 316	10 054	x	336 566	
1983	1 992	-	10 937	7 243	112 398	174 776	7 671	775	21 222	9 989	-	347 003	
1984	x	-	34 950	22 044	263 014	288 279	10 494	1 878	43 906	20 419	x	697 628	
1985	22 743	x	15 285	15 134	349 805	390 959	x	2 620	33 231	22 387	-	x	868 384
1986	x	-	37 681	15 305	399 912	438 741	14 597	2 856	54 047	126 621	-	545	1 107 555
1987p	16 988	x	59 952	45 495	622 846	15 793	3 575	79 835	221 258	-	x	1 607 362	
D. Forest industries													
1970	94	x	4 793	3 504	37 026	69 983	5 095	600	12 405	72 803	-	40	206 343
1971	320	x	4 134	2 349	44 003	54 666	3 665	2 184	12 223	90 302	-	x	214 173
1972	330	x	3 159	2 874	70 779	71 349	3 105	5 308	21 854	159 970	x	407	343 830
1973	742	244	9 669	19 123	144 786	157 236	6 644	7 505	30 853	372 686	x	1 662	752 049
1974	19 737	31	17 593	39 707	322 019	303 219	11 857	3 956	43 758	205 329	x	1 046	969 493
1975	14 814	421	39 324	21 965	183 596	142 004	5 663	5 475	43 872	105 095	x	566 846	
1976	580	x	32 332	6 006	147 572	108 291	5 096	7 533	53 611	301 926	x	663 996	
1977	10 119	120	38 552	3 421	179 076	119 876	7 527	8 061	43 247	357 209	x	782 167	
1978	35 829	163	39 586	11 893	318 007	209 538	6 678	11 577	43 441	581 867	x	x	1 264 224
1979	48 974	179	72 032	26 859	558 101	371 830	8 481	10 047	75 209	941 346	x	735 2 115 021	
1980	56 038	116	104 172	46 269	561 209	478 460	12 251	37 854	72 408	469 830	x	201 1 846 861	
1981	52 672	93	72 201	26 185	263 439	432 370	12 498	9 504	52 623	199 310	x	247 1 128 958	
1982	3 205	78	33 288	9 482	192 394	165 003	9 815	2 281	44 283	84 171	118	x	545 625
1983	2 858	303	15 420	7 243	213 828	244 963	14 795	7 950	28 131	133 381	x	277 681 493	
1984	926	x	43 219	37 596	400 643	373 488	17 848	7 499	52 628	142 071	x	1 094 029	
1985	24 022	x	23 886	26 476	490 557	483 022	7 035	8 958	48 340	178 238	x	165 1 308 844	
1986	1 230	x	46 072	36 002	565 944	545 708	22 377	9 091	74 803	390 493	x	651 1 712 972	
1987p	18 944	122	72 441	70 940	736 807	756 094	29 491	10 937	102 474	630 732	x	782 2 436 733	

^aOther: Including other jurisdictions.

Source: Statistics Canada Cat. No. 61-208 and 61-208P.

VII - 4. CAPITAL AND REPAIR EXPENDITURES BY FOREST INDUSTRIES, 1950-1989

Year	Quebec	Ontario	British Columbia	Atlantic provinces	Prairies	Total ^a
\$000 000						
A. Logging industry						
1960	23.8	16.3	48.1	10.4	3.8	102.4
1970	28.5	26.5	103.3	10.7	3.5	172.5
1971	27.2	26.7	109.3	11.3	7.1	181.8
1972	28.9	31.5	134.2	13.3	8.6	216.0
1973	41.7	46.0	175.2	27.9	11.2	302.0
1974	71.3	58.6	215.2	30.2	16.1	391.4
1975	74.7	59.7	179.7	23.3	21.7	359.1
1976	57.9	54.7	231.2	22.5	15.7	382.0
1977	56.6	73.5	265.3	22.6	21.5	439.5
1978	66.4	80.0	307.5	22.3	26.3	502.5
1979	94.5	97.3	343.0	26.0	28.3	589.1
1980	107.0	126.4	401.0	33.9	40.7	709.0
1981	106.2	139.1	294.9	36.4	41.0	617.6
1982	68.8	81.6	205.9	21.3	25.3	402.9
1983	67.3	97.8	274.9	17.1	15.8	472.9
1984	74.9	120.4	307.8	19.5	18.7	541.3
1985	68.7	123.2	283.4	33.3	20.3	528.9
1986	60.2	127.7	287.2	33.2	20.1	528.4
1987	63.2	111.6	324.0	38.6	25.7	563.1
1988p	79.9	130.2	324.2	44.3	29.9	608.5
1989 revised	95.7	138.8	338.5	42.3	32.6	647.9
B. Wood industries						
1950	..	10.1	28.1	..	..	54.2
1960	10.5	11.9	46.4	3.1	3.7	75.6
1970	25.8	30.3	139.9	9.4	18.9	224.3
1971	26.8	25.3	158.8	7.0	26.1	244.0
1972	46.2	39.8	167.7	9.6	24.4	287.7
1973	70.6	63.2	235.4	21.3	26.3	416.8
1974	83.3	92.2	212.2	25.3	31.1	444.1
1975	76.1	80.5	183.3	26.3	42.6	408.9
1976	67.9	58.6	225.0	28.7	64.9	445.1
1977	66.8	59.0	286.7	18.5	34.9	466.1
1978	66.5	69.8	390.8	26.2	37.5	590.9
1979	89.4	80.3	466.0	19.4	61.4	716.5
1980	108.6	104.7	508.1	21.6	53.1	796.1
1981	87.7	101.7	469.5	14.2	71.4	744.5
1982	150.6	80.0	295.0	9.7	51.1	586.4
1983	120.0	85.8	329.4	13.8	71.8	620.8
1984	115.2	105.8	403.3	23.7	52.7	700.7
1985	151.0	94.2	402.3	15.9	60.1	723.9
1986	142.6	111.3	453.2	17.3	136.2	861.0
1987	157.9	195.1	738.9	32.8	115.3	1 240.4
1988p	226.6	322.9	858.2	33.6	126.2	1 568.2
1989 revised	171.5	234.9	838.7	28.4	119.4	1 393.3

VII - 4. CAPITAL AND REPAIR EXPENDITURES BY FOREST INDUSTRIES, 1950-1989 (CONCLUDED)

Year	Quebec	Ontario	British Columbia	Atlantic provinces	Prairies	Total ^a
\$000 000						
C. Paper and allied industries						
1950	45.1	44.3	33.0	.. ^b	15.8	138.2
1960	95.2	64.9	56.3	47.7	5.2	269.4
1970	152.1	162.5	192.7	191.0	60.1	758.4
1971	122.8	160.2	261.5	194.4	42.6	781.5
1972	171.4	132.7	226.1	108.9	69.3	708.4
1973	263.3	162.1	154.5	56.5	76.4	712.8
1974	348.7	251.6	230.3	93.2	44.1	967.9
1975	308.8	282.6	199.4	110.5	53.4	954.7
1976	336.2	392.4	264.4	123.8	70.0	1 186.8
1977	371.7	385.2	316.6	145.6	70.3	1 289.4
1978	390.7	289.3	339.0	157.2	84.3	1 260.5
1979	434.4	404.8	391.2	234.6	85.9	1 550.9
1980	580.7	530.7	692.5	265.9	82.4	2 152.2
1981	724.6	898.7	964.9	385.1	112.3	3 085.6
1982	724.0	810.0	674.6	479.0	88.9	2 776.5
1983	651.5	493.3	305.7	349.2	89.1	1 888.8
1984	752.7	608.7	454.3	274.6	105.2	2 195.5
1985	994.8	908.8	534.1	566.3	166.4	3 170.4
1986	1 408.0	676.8	553.0	504.2	126.6	3 268.6
1987	1 599.7	778.7	993.9	482.9	293.7	4 148.9
1988p	1 514.5	1 048.8	1 288.1	733.8	739.1	5 324.3
1989 revised	2 215.0	1 290.8	2 000.1	907.9	941.7	7 355.5
D. Forest industries						
1960	129.5	93.1	150.8	61.2	12.7	447.3
1970	209.1	219.3	435.9	211.1	82.5	1 155.2
1971	176.8	212.2	529.6	212.7	75.8	1 207.3
1972	246.5	204.0	528.0	131.8	102.3	1 212.1
1973	375.6	271.3	565.1	105.5	113.9	1 431.6
1974	503.3	402.4	657.7	148.7	91.3	1 803.4
1975	459.6	422.8	562.4	160.1	117.7	1 722.6
1976	462.0	505.7	720.6	175.0	150.6	2 013.9
1977	495.1	517.7	868.6	186.7	126.7	2 194.8
1978	523.6	439.1	1 037.3	205.7	148.1	2 353.8
1979	618.3	582.4	1 200.2	280.0	175.6	2 856.5
1980	796.3	761.8	1 601.6	321.4	176.2	3 657.3
1981	918.5	1 139.5	1 729.3	435.7	224.7	4 447.7
1982	943.4	971.6	1 175.5	510.0	165.3	3 765.8
1983	838.8	676.9	910.0	380.1	176.7	2 982.5
1984	942.8	834.9	1 165.4	317.8	176.6	3 437.5
1985	1 214.5	1 126.2	1 219.8	615.5	246.8	4 423.2
1986	1 610.8	915.8	1 293.4	554.7	282.9	4 658.0
1987	1 820.8	1 085.4	2 056.8	554.3	434.7	5 952.4
1988p	1 821.0	1 501.9	2 470.5	811.7	895.2	7 501.0
1989 revised	2 482.2	1 664.5	3 177.3	978.6	1 093.7	9 396.7

^aIncludes Northwest Territories and Yukon.^bIncluded in Prairie provinces.

Source: Statistics Canada Cat. No. 25-202, 61-205 and 61-206.

VII - 5. GENERAL ECONOMIC INDICATORS BY QUARTER, 1982-1988

Year	Quarter	Gross domestic product at 1981 prices percent change	Consumer price index (1981 = 100) percent change	Unemployment rate (%)	Canadian dollar U.S. funds	Merchandise trade balance (\$000 000)	Prime rate (%)	Toronto Stock Exchange 300 (1975 = 1000)
1982	1	-1.2	2.5	8.9	0.8273	+3 321	16.67	1 682.0
	2	-1.2	3.1	10.4	0.8037	+4 637	17.42	1 479.6
	3	-0.7	2.1	12.2	0.8002	+5 132	16.08	1 562.4
	4	-0.8	1.6	12.8	0.8121	+4 564	13.08	1 856.8
1983	1	1.7	0.6	12.5	0.8148	+4 321	11.67	2 092.6
	2	2.3	1.4	12.2	0.8123	+5 268	11.00	2 402.8
	3	1.6	1.6	11.6	0.8112	+3 953	11.00	2 486.8
	4	0.8	0.9	11.1	0.8075	+3 916	11.00	2 484.8
1984	1	1.6	1.3	11.4	0.7966	+3 918	11.17	2 423.6
	2	2.3	0.8	11.4	0.7737	+4 941	12.00	2 258.0
	3	1.1	0.9	11.3	0.7611	+5 412	13.17	2 307.2
	4	1.1	0.7	11.1	0.7585	+5 566	11.92	2 374.0
1985	1	1.1	1.2	11.1	0.7391	+5 093	11.42	2 600.9
	2	0.6	1.1	10.6	0.7303	+4 118	10.58	2 694.7
	3	1.0	0.9	10.2	0.7353	+3 210	10.33	2 743.6
	4	2.1	0.9	10.1	0.7250	+3 979	10.00	2 810.9
1986	1	0.3	1.2	9.7	0.7124	+2 193	12.00	2 915.4
	2	0.8	0.8	9.6	0.7225	+2 578	10.58	3 095.5
	3	0.1	1.2	9.7	0.7218	+2 326	9.75	2 980.9
	4	0.1	1.0	9.4	0.7221	+2 713	9.75	3 050.6
1987	1	1.6	0.9	9.6	0.7476	+3 171	9.08	3 529.1
	2	1.3	1.4	9.0	0.7503	+2 752	9.42	3 714.1
	3	1.5	1.2	8.7	0.7563	+2 988	9.83	3 975.4
	4	1.6	0.7	8.2	0.7630	+2 065	9.75	3 052.6
1988	1	0.8	0.9	7.8	0.7890	+2 072	9.75	3 191.9
	2	1.1	1.3	7.7	0.8132	+2 557	10.42	3 343.5
	3	0.8	1.1	7.8	0.8201	+3 099	11.25	3 315.4
	4	0.6	0.8	7.7	0.8290	+1 866	11.92	3 360.1

a Seasonally adjusted at annual rates.

Source: Statistics Canada Cat. No. 13-001, 13-004, 13-007, and 11-010.

VII - 6. GENERAL ECONOMIC INDICATORS, 1970-1988

Year	G.D.P. ^a at market price		G.D.P. in constant (1981 dollar)		Implicit price index		Consumer price index		Canadian dollar in trade		Merchandise balance \$000 000		Conventional 5-yr mortgage rate %	
	Value (\$000 000)	Percent change	Value (\$000 000)	Percent change	(1981=100)		Percent change (1981=100)	U.S. funds	Unemployment rate %	Canadian merchandise balance \$000 000	Prime rate %	Merchandise balance \$000 000	Conventional 5-yr mortgage rate %	
					Percent change	(1981=100)								
1970	89 116	7.3	219 498	2.6	40.6	4.6	41.0	3.3	5.7	0.9579	+ 2.951	8.17	10.45	
1971	97 290	9.2	232 137	5.8	41.9	3.2	42.2	2.9	6.2	0.9903	+ 2.468	6.48	9.43	
1972	108 629	11.7	245 441	5.7	44.3	5.7	44.2	4.7	6.2	1.0096	+ 1.951	6.00	9.21	
1973	127 372	17.3	264 369	7.7	48.2	8.8	47.6	7.7	5.5	0.9999	+ 2.923	7.65	9.59	
1974	152 111	19.4	276 006	4.0	55.1	14.3	52.8	10.9	5.3	1.0225	+ 1.835	10.75	11.24	
1975	171 540	12.8	283 187	2.6	60.6	10.0	58.5	10.8	6.9	0.9830	-	345	9.42	
1976	197 924	15.4	300 638	6.1	65.8	8.6	62.9	7.5	7.1	1.0141	+ 1.559	10.04	11.78	
1977	217 879	10.1	311 504	3.6	69.9	6.2	67.9	7.9	8.1	0.9403	+ 2.972	8.50	10.36	
1978	241 604	10.9	325 751	4.6	74.2	6.1	73.9	8.8	8.3	0.8770	+ 4.312	9.69	10.59	
1979	276 096	14.3	338 362	3.9	81.6	10.0	80.7	9.2	7.4	0.8536	+ 4.424	12.90	11.17	
1980	309 891	12.2	343 384	1.5	90.3	10.7	88.9	10.2	7.5	0.8554	+ 8.778	14.25	14.31	
1981	355 994	14.9	355 994	3.7	100.0	10.9	100.0	12.5	7.5	0.8340	+ 7.292	19.29	18.15	
1982	374 442	5.2	344 543	-3.2	108.7	8.7	110.8	10.8	11.0	0.8103	+ 17.654	15.81	17.89	
1983	405 717	8.4	355 445	3.2	114.1	5.0	117.2	5.8	11.8	0.8114	+ 17.457	11.17	13.29	
1984	444 735	9.6	377 855	6.3	117.7	3.1	122.3	4.4	11.2	0.7723	+ 19.837	12.06	13.61	
1985	478 765	7.7	395 217	4.6	121.1	2.9	127.2	4.0	10.5	0.7325	+ 16.400	10.58	12.18	
1986	506 483	5.8	407 736	3.2	124.2	2.6	132.4	4.1	9.5	0.7199	+ 9.810	10.52	11.22	
1987	549 692	8.5	424 136	4.0	129.6	4.3	138.2	4.4	8.8	0.7541	+ 10.976	9.52	11.14	
1988	598 732	8.9	443 375	4.5	135.0	4.2	143.8	4.1	7.8	0.8125	+ 9.594	10.83	11.60	

^aGross domestic product. In 1987, GDP data were revised back to 1982.

Source: Statistics Canada Cat. No. 13-001, 62-010, 67-001, 71-001, and Bank of Canada Review.

VII - 7. RELATION BETWEEN GROSS DOMESTIC PRODUCT (G.D.P.) AT MARKET PRICE
AND GROSS DOMESTIC PRODUCT AT FACTOR COST, 1970-1988

Year	G.D.P. at market price	Deduct: indirect taxes less subsidies	Deduct: statistical discrepancy	Equals: G.D.P. at factor cost	
		\$000 000			
1970	89 116	11 095	684	77 337	
1971	97 290	12 053	792	84 445	
1972	108 629	13 627	147	94 855	
1973	127 372	15 311	14	112 047	
1974	152 111	17 867	-560	134 804	
1975	171 540	17 087	90	154 363	
1976	197 924	20 992	-141	177 073	
1977	217 879	23 188	1 109	193 582	
1978	241 604	24 819	-59	216 844	
1979	276 096	26 635	-199	249 660	
1980	309 891	27 272	45	282 574	
1981	355 994	36 457	173	319 364	
1982	374 442	38 908	350	335 184	
1983	405 717	40 135	2 247	363 335	
1984	444 735	42 714	863	401 158	
1985	478 765	47 176	653	430 936	
1986	506 483	53 825	132	452 526	
1987	549 692	58 011	30	491 651	
1988	598 732	65 075	-1 580	535 237	

Source: Statistics Canada Cat. No. 11-010

VII - 8. FOREST INDUSTRIES DIRECT CONTRIBUTION TO CANADIAN GROSS
DOMESTIC PRODUCT (G.D.P.) AT FACTOR COST^a, 1970-1988
(1981 Prices)

Year	Total economy		Forestry services		Logging		Wood industries		Paper and allied industries		Total forest industries	
	\$000 000		\$000 000 %		\$000 000 %		\$000 000 %		\$000 000 %		\$000 000 %	
1970	203	24.8	209.0	0.1	1 675.1	0.8	2 048.0	1.0	5 360.9	2.6	9 293.0	4.6
1971	214	902.9	241.5	0.1	1 643.8	0.8	2 097.8	1.0	5 286.9	2.5	9 270.0	4.3
1972	227	677.2	228.8	0.1	1 773.8	0.8	2 121.8	0.9	5 751.6	2.5	9 876.0	4.4
1973	244	958.8	202.3	0.1	1 984.4	0.8	2 336.9	1.0	6 218.0	2.5	10 741.6	4.4
1974	253	979.9	206.6	0.1	1 994.0	0.8	2 423.9	1.0	6 730.6	2.7	11 355.1	4.5
1975	257	532.0	227.9	0.1	1 608.5	0.6	2 153.3	0.8	4 790.5	1.9	8 780.2	3.4
1976	272	995.6	241.0	0.1	1 743.8	0.6	2 611.0	1.0	5 911.9	2.2	10 507.7	3.9
1977	281	762.1	249.0	0.1	1 875.4	0.7	2 897.5	1.0	5 840.3	2.1	10 862.2	3.9
1978	290	559.5	257.6	0.1	2 082.2	0.7	2 906.6	1.0	6 455.8	2.2	11 702.2	4.0
1979	301	852.5	264.5	0.1	2 061.5	0.7	2 915.8	1.0	6 373.9	2.1	11 615.7	3.9
1980	307	388.8	266.5	0.1	2 094.4	0.7	3 108.0	1.0	6 243.9	2.0	11 712.8	3.8
1981	319	538.1	262.7	0.1	2 045.0	0.6	2 986.2	0.9	5 996.8	1.9	11 290.7	3.5
1982	307	863.5	248.3	0.1	1 708.9	0.6	2 415.7	0.8	5 139.5	1.7	9 512.4	3.1
1983	317	858.7	257.8	0.1	2 254.4	0.7	2 986.0	0.9	5 753.3	1.8	11 251.5	3.5
1984	336	941.3	244.2	0.1	2 534.2	0.8	3 349.5	1.0	5 961.0	1.8	12 088.9	3.6
1985	353	253.8	260.3	0.1	2 506.8	0.7	3 794.6	1.1	5 850.7	1.7	12 412.4	3.5
1986	364	540.5	267.4	0.1	2 555.5	0.7	3 835.9	1.1	6 256.5	1.7	12 915.3	3.5
1987	379	243.8	272.4	0.1	2 840.1	0.7	4 390.7	1.2	6 540.5	1.7	14 043.7	3.7
1988	395	896.7	302.3	0.1	2 854.3	0.7	4 375.0	1.1	6 721.4	1.7	14 254.8	3.6

^a GDP at factor cost in 1981 prices is a summation of all industries and there is no adjustments for the statistical discrepancy.

Source: Statistics Canada Cat. No. 15-001.

VII - 9. FOREST INDUSTRIES DIRECT CONTRIBUTION TO CANADIAN GROSS DOMESTIC PRODUCT (G.D.P.) BY PROVINCE, 1985 AND 1987

Province	Provincial G.D.P. at market prices			G.D.P. at factor cost ^a			Logging industry			Wood industries			Paper and allied industries			Forestry services			Total forest industries		
	\$000 000 (current \$)			\$000 000			\$000 000			\$000 000			\$000 000			\$000 000			\$000 000		
		Indirect taxes	Subsidies		%			%			%			%				%		%	
A. G.D.P. at factor cost and forestry contribution - 1985																					
Nfld.	6 207	752	560	6 015	56.5	0.9	8.5	0.1	x	x	12.0	0.2	x	-	1.5	0.1	10.8	0.9	x	x	
P.E.I.	1 329	148	5	1 186	3.3	0.3	6.0	0.5	-	-	13.4	0.1	330.6	3.2	250.5	0.3	563.5	7.1			
N.S.	11 552	1 499	293	10 346	80.9	0.8	51.7	0.5	184.6	1.8	254	0.3									
N.B.	8 988	1 127	155	8 016	190.2	2.4	97.4	1.2	250.5	3.1											
Que.	108 562	14 994	722	94 290	593.5	0.6	930.6	1.0	2 344.8	2.5	65.7	0.1	3 934.6	4.2							
Ont.	185 944	24 754	456	161 642	507.6	0.3	765.6	0.5	2 056.8	1.3	78.2	-	3 408.2	2.1							
Man.	17 953	2 210	83	15 826	34.9	0.2	62.7	0.4	84.1	0.5	5.0	-	186.7	1.2							
Sask.	17 288	1 952	212	15 548	32.0	0.2	44.2	0.3	x	x	6.2	-	x	x							
Alta.	63 597	4 592	556	59 561	111.9	0.2	232.7	0.4	177.5	0.3	55.4	0.1	577.5	1.0							
B.C.	54 445	6 732	95	47 808	992.4	2.1	1 749.1	3.7	1 119.0	2.3	74.1	0.2	3 934.6	8.2							
Total	477 881	58 834	3 832	422 879	2 604.0	0.6	3 948.6	0.9	6 348.7	1.5	336.9	0.1	13 238.2	3.1							
B. G.D.P. at factor cost - 1987																					
Nfld.	7 138	886	130	6 382	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
P.E.I.	1 608	173	72	1 507	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
N.S.	13 374	1 737	264	11 901	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
N.B.	10 588	1 452	160	9 296	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Que.	131 822	18 546	2 594	115 870	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Ont.	224 674	30 507	2 346	196 513	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Man.	20 049	2 617	1 087	18 519	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sask.	17 291	2 047	2 506	17 750	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Alta.	58 982	4 781	2 518	51 683	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
B.C.	61 636	7 679	751	54 708	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	549 397	70 517	12 506	491 386	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

^aG.D.P. at factor cost = G.D.P. at market prices + subsidies - indirect taxes.

Note: 1986, 1987 data are not available and 1985 data were released in July 1989.

Source: Statistics Canada Cat. No. 13-213 and 15-203.

SECTION VIII

RELATED DATA

- Housing starts
- Transportation

VIII - 1. TRANSPORT STATISTICS BY FOREST PRODUCTS, 1986-1988

	Railways			Trucking			Marine traffic			
	Revenue freight		For hire		priv- ate Class 1-2 3	Total	Cargo tonnes loaded 1986	Tonnes Loaded (exports)	Tonnes unloaded (imports)	Total
	Loaded domestically onto railway cars in Canada									
Forest products	1986	1987	1988							
							1 000 t			
Primary wood products	12 007	12 031	11 767	15 061	7 388	2 534	24 983	13 058	4 145	892
Logs and bolts	1 417	1 414	1 338	6 411	..	511	..	8 708	2 413	606
Pulpwood	1 813	1 543	1 279	890	..	1 216	..	4 349	1 731	285
Wood chips	8 777	9 074	9 150	7 409	..	807	..	..	..	..
Other primary products	..	..	..	351	..	..	..	1	1	3
Wood-fabricated materials	9 768	10 772	10 172	8 549	1 028	3 857	13 434	489	5 642	115
Lumber	8 356	9 086	8 487	7 480	..	1 791	..	481	5 480	58
Other wood products	1 412	1 686	1 685	1 069	..	2 066	..	8	162	57
Wood pulp and paper products	12 934	13 518	14 060	4 687	217	667	5 571	925	7 771	255
Wood pulp	6 220	6 482	6 699	1 204	..	144	..	545	4 412	39
Newsprint	5 183	5 535	5 452	2 524	..	375	..	362	2 831	10
Paperboard, pulpboard, fiberboard	1 531	1 501	1 909	959	..	148	..	18	528	206
Total forest products	34 709	36 321	35 999	28 297	8 633	7 058	43 988	14 472	17 558	1 262
Total products	237 455	249 320	258 344	154 714	32 482	71 415	258 611	60 506	144 561	62 012
%	14.6	14.6	13.9	18.3	26.6	9.9	17.0	23.9	12.1	2.0
										14.7

Source: Statistics Canada Cat. No. 52-001, 53-222, 54-209 and 54-210.

VIII - 2. DWELLING UNITS^a STARTED BY PROVINCE, 1950-1988

Year	Nfld.	P.E.I.	N.S.	N.B.	Atlantic provinces	Que.	Ont.	Man.	Sask.	Alta.	Prairies	B.C.	Canada
1950	2 090	333	2 705	2 323	7 451	28 515	33 430	4 072	2 904	8 623	15 599	7 536	92 531
1960	2 026	272	4 047	1 780	8 125	28 589	42 282	5 132	4 339	8 387	17 858	12 004	108 858
1970	2 636	784	5 878	3 182	12 480	47 118	76 675	8 945	1 743	16 251	26 939	27 316	190 528
1971	3 658	1 363	7 308	4 930	17 259	51 782	89 980	10 705	3 560	25 602	39 867	34 765	233 653
1972	3 901	1 079	5 164	6 358	16 502	55 746	102 933	12 068	4 845	22 503	39 416	35 317	249 914
1973	4 831	2 122	7 734	7 235	21 922	59 550	110 536	11 531	6 386	20 977	38 894	37 627	268 529
1974	4 911	1 334	6 008	5 861	18 114	51 642	85 503	8 752	7 684	19 008	35 444	31 420	222 123
1975	5 342	847	6 366	6 983	19 538	54 741	79 968	7 845	10 505	24 707	43 057	34 152	231 456
1976	5 709	842	7 470	6 772	20 793	68 748	84 682	9 339	13 143	38 771	61 253	37 727	273 203
1977	3 719	824	7 495	4 308	16 346	57 580	79 130	9 410	12 825	38 075	60 310	32 358	245 724
1978	2 865	1 210	4 853	5 167	14 095	43 671	71 710	12 121	9 527	47 925	69 573	28 618	227 667
1979	2 999	1 068	4 538	5 021	13 626	41 730	56 887	5 772	11 742	39 947	57 461	27 345	197 049
1980	3 848	475	3 895	2 646	10 864	29 186	40 127	2 597	6 250	32 031	40 878	37 546	158 601
1981	3 210	203	3 715	2 188	9 316	29 645	50 161	2 824	5 972	38 470	47 266	41 585	177 973
1982	2 793	248	3 691	1 680	8 412	23 492	38 508	2 030	6 822	26 789	35 641	19 807	125 860
1983	3 281	673	5 697	4 742	14 393	40 318	54 939	5 985	7 269	17 134	30 388	22 607	162 645
1984	2 720	643	4 598	2 873	10 834	41 902	48 171	5 308	5 221	7 295	17 824	16 169	134 900
1985	2 854	788	6 923	4 142	14 707	48 031	64 871	6 557	5 354	8 337	20 248	17 969	165 826
1986	2 883	1 110	7 571	4 045	15 609	60 348	81 470	7 699	5 510	8 462	21 671	20 687	197 785
1987	2 682	933	6 460	3 716	13 791	74 179	105 213	8 174	4 895	10 790	23 859	28 944	245 986
1988	3 168	1 151	5 478	3 621	13 418	58 062	99 924	5 455	3 856	11 360	20 671	30 487	222 562

^aDwelling unit is defined as a structurally separate set of living premises with a private entrance (excluding mobile dwellings).

Source: Statistics Canada Cat. No. 64-002 and Canada Mortgage and Housing Corporation nation-wide survey.

VIII - 3. VALUE OF BUILDING CONSTRUCTION IN CANADA,^a 1961-1988

Year	Residential			Commercial	Institutional	Other	Total
	New	Repair	Total				
\$000 000							
1960	1 456	457	1 913	452	738	615	333
1970	3 138	871	4 009	1 000	1 287	1 330	473
1971	4 025	951	4 976	1 023	1 405	1 456	507
1972	4 820	1 051	5 871	927	1 706	1 249	575
1973	5 977	1 188	7 165	1 162	2 211	1 200	666
1974	7 010	1 451	8 461	1 556	2 969	1 383	877
1975	7 114	1 576	8 690	1 537	3 732	1 561	1 089
1976	10 853	1 817	12 669	1 479	3 628	1 594	20 471
1977	11 065	2 061	13 126	1 758	3 639	1 662	1 123
1978	11 451	2 329	13 780	1 586	3 876	1 682	1 310
1979	11 618	2 649	14 267	2 096	5 098	1 831	1 414
1980	11 010	2 862	13 872	3 025	5 912	2 171	1 560
1981	13 135	3 229	16 365	3 611	6 989	2 593	1 979
1982	10 148	3 433	13 581	3 044	7 063	3 092	2 062
1983	12 994	3 857	16 851	2 450	6 482	3 065	1 905
1984	12 580	4 067	16 647	2 708	7 129	2 924	2 003
1985	21 170	2 975	24 145	3 470	8 697	3 119	2 028
1986	25 764	3 121	28 885	3 201	10 119	3 565	1 656
1987p	32 803	3 200	36 003	3 189	12 068	4 172	1 796
1988forecast	32 351	3 300	35 651	3 339	13 097	4 202	1 987

^aTotal value of construction work purchased by type of structure.

Source: Statistics Canada Cat. No. 64-201.

SECTION IX

WORLD FORESTRY

The world forestry figures were retrieved from the "1987 Yearbook of Forest Products." Publication of the Yearbook is made possible by the cooperation of various governments, which supplied most of the information in the form of replies to questionnaires. The Forestry Department of the Food and Agriculture Organization in collaboration with the Economic Commission for Europe compiled the results.

The products are classified using the "United Nations Standard International Trade Classification (SITC) Revision 2."

IX - 1. WORLD FOREST RESOURCES - FOREST AREAS AND GROWING STOCKS
BY REGION AND SPECIES GROUP

Continents and countries	Forest areas						Merchantable volume		
	Closed forest		Other wooded land		Total		Growing stocks		
	Softwoods	Hardwoods	Softwoods	Hardwoods	Softwoods	Hardwoods	Total	Land areas ^a	Softwoods Hardwoods
			1 000 ha					%	1 000 000 m ³
Total North America	453 298 ^b	..	296 022 ^b	..	749 320 ^b	..	749 320	37.9	31 334
Canada	243 698 ^b	..	209 622 ^b	..	453 320 ^b	..	453 320	43.7	17 834
United States	209 600 ^b	..	86 400 ^b	..	296 000 ^b	..	296 000	31.8	13 500
Central America and Mexico	25 038	47 230	-	348	25 038	47 578	72 614	26.9	1 900
South America	19 474	647 498	1 000	247 047	20 474	894 545	915 019	51.4	900
Africa	7 776	228 088	6 115	501 734	13 891	729 822	743 713	24.5	200
Europe, without USSR	88 413	48 592	9 576	12 321	97 989	60 913	158 902	30.5	8 000
USSR	593 700	197 900	86 200	50 800	679 900	248 700	928 600	41.5	65 300
Asia	86 552	275 270	15 688	90 722	102 238	365 992	468 230	18.5	6 000
Oceania	12 060	211 344	3 935	71 608	15 995	282 952	298 947	27.9	700
World ^b	2 942 233 ^b	..	1 393 114 ^b	..	4 335 347 ^b	..	4 335 347	32.3	114 334

a Including water.
b Hardwoods are included.

Source: Forest resources 1980, Food and Agriculture Organization of the United Nations 1985. Cibula, E.J. Trends in timber supply and trade, Information review, 1980, Department of the Environment, London.

WORLD TRADE

Billions of dollars

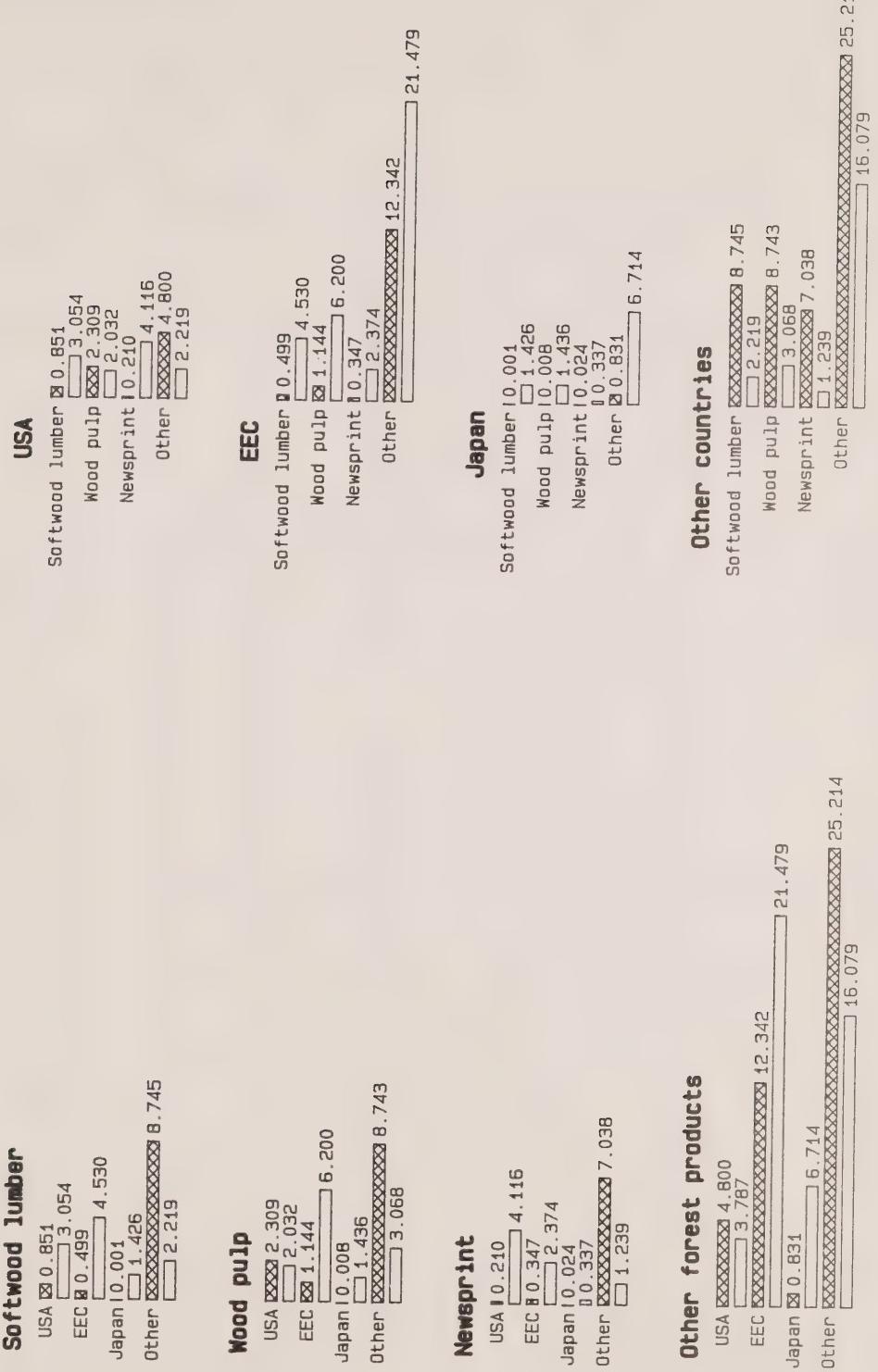


Figure 27. World trade of forest products by commodity group and principal trade area, 1987.
Exports Imports

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of forest products.

IX - 2A. WORLD PRODUCTION OF ROUNDWOOD, 1986

Trade area ^a	Industrial roundwood							Fuelwood and charcoal	Total round- wood		
	Logs and bolts		Other roundwood		Total	Softwoods	Hardwoods				
	Logs	bolts	Pulpwood	roundwood							
1 000 m ³											
Total North America	373 433	166 861	12 839	553 133	453 241	99 892	108 522	661 655			
Canada	128 573	40 601	1 370	170 544	160 703	9 841	6 600	177 144			
United States	244 860	126 260	11 469	382 589	292 538	90 051	101 922	484 511			
Central America	6 883	2 974	1 090	10 947	7 944	3 004	47 378	58 326			
Mexico	3 947	2 864	237	7 048	6 329	719	14 180	21 228			
South America	57 096	28 495	7 351	92 941	38 683	54 258	221 161	314 102			
Brazil	39 983	20 900	5 245	66 128	27 266	38 862	171 646	237 774			
Chile	5 751	3 922	553	10 226	9 142	1 084	6 171	16 397			
Venezuela	600	-	26	626	-	626	684	1 310			
Africa	21 567	7 012	24 497	53 078	8 325	44 751	396 287	449 363			
Algeria	20	-	216	236	160	76	1 708	1 944			
Morocco	131	326	257	714	148	566	1 292	2 006			
Middle East - Africa	252	-	3 716	3 968	88	3 880	62 269	66 237			
Europe	155 311	114 275	25 285	294 871	211 110	83 761	58 540	353 411			
Western Europe	118 313	93 043	8 525	219 881	163 616	56 265	40 878	260 759			
Economic Community	54 329	37 622	4 757	96 708	61 097	35 611	25 721	122 429			
Belgium-Luxembourg	1 890	720	200	2 810	1 970	840	538	3 348			
Denmark	941	500	356	1 797	1 312	485	406	2 203			
France	19 260	9 599	580	29 439	16 105	13 334	10 430	39 869			
Germany, Fed. Rep.	16 287	9 026	1 390	26 703	20 362	6 341	3 656	30 359			
Greece	617	142	219	978	455	523	1 915	2 893			
Ireland	659	513	27	1 199	1 188	13	46	1 245			
Italy	3 203	965	476	4 644	1 411	3 233	4 979	9 623			
Netherlands	490	402	128	1 020	689	331	116	1 136			
Portugal	3 820	4 954	60	8 834	4 695	4 139	598	9 432			
Spain	4 100	9 045	1 049	14 194	8 734	5 460	2 890	17 084			
United Kingdom	3 062	1 756	272	5 090	4 178	912	147	5 237			
Scandinavia	44 446	49 160	1 615	95 221	83 249	11 972	8 518	103 739			
Finland	17 026	19 428	1 206	37 660	31 659	6 001	3 186	40 866			
Norway	4 520	4 722	229	9 471	9 000	471	908	10 379			
Sweden	22 900	25 010	180	48 090	42 590	5 500	4 424	52 514			
Other Western Europe	19 538	6 261	2 153	27 952	19 270	8 682	6 639	34 591			
Eastern Europe	36 998	21 232	16 760	74 990	47 494	27 496	17 662	92 652			
USSR	161 800	40 200	88 800	290 800	258 100	32 700	86 800	377 600			
Asia	168 630	21 906	60 852	251 388	94 014	157 374	750 291	1 001 679			
China, People's Rep.	54 592	6 921	35 734	97 247	61 167	36 080	174 129	271 376			
Hong Kong	-	-	-	-	-	-	186	186			
India	18 350	1 208	4 400	23 958	2 760	21 198	226 298	250 256			
Japan	18 801	11 785	966	31 552	20 245	11 307	587	32 139			
Korea, Rep. of (South)	1 066	330	849	2 245	1 662	583	4 395	6 640			
Middle East - Asia	4 235	431	5 718	10 384	4 704	5 680	13 783	24 167			
Southeast Asia	62 928	1 131	7 932	71 990	606	71 385	199 854	271 844			
Oceania	15 894	11 795	1 763	29 452	15 221	14 231	8 804	38 256			
Australia	8 144	7 859	1 116	17 119	6 146	10 973	2 880	19 999			
New Zealand	4 937	3 718	636	9 291	8 978	313	50	9 341			
World	960 614	393 518	222 477	1 576 609	1 086 638	489 972	1 677 783	3 254 392			

^aSee Section X.B for details on groupings of trade areas used in this table.Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

IX - 2B. WORLD PRODUCTION OF ROUNDWOOD, 1987

Trade area ^a	Industrial roundwood							Fuelwood and charcoal	Total roundwood
	Logs and bolts	Pulpwood	Other roundwood	Total	Softwoods	Hardwoods			
	1 000 m ³								
Total North America	409 153	173 411	12 919	595 483	494 191	101 292	120 023	715 506	
Canada	142 573	40 601	1 450	184 624	174 783	9 841	6 600	191 224	
United States	266 580	132 810	11 469	410 859	319 408	91 451	113 423	524 282	
Central America	7 300	2 971	1 076	11 347	8 273	3 075	48 440	59 787	
Mexico	4 324	2 864	237	7 425	6 654	771	14 522	21 947	
South America	57 032	28 679	7 471	93 181	38 671	54 510	225 392	318 573	
Brazil	39 983	20 900	5 355	66 238	27 278	38 960	175 240	241 478	
Chile	5 568	4 106	553	10 227	9 118	1 109	6 261	16 488	
Venezuela	600	-	26	626	-	626	702	1 328	
Africa	21 360	7 046	25 015	53 421	8 412	45 009	407 748	461 169	
Algeria	20	-	224	244	165	79	1 764	2 008	
Morocco	131	326	263	720	149	571	1 310	2 030	
Middle East - Africa	252	-	3 776	4 028	88	3 940	63 985	68 013	
Europe	156 614	119 128	24 911	300 653	214 342	86 311	57 839	358 492	
Western Europe	119 552	98 474	8 564	226 590	167 714	58 876	40 968	267 558	
Economic Community	54 963	41 435	4 757	101 155	63 406	37 749	25 847	127 002	
Belgium-Luxembourg	2 070	720	200	2 990	2 120	870	538	3 528	
Denmark	941	500	356	1 797	1 312	485	406	2 203	
France	20 292	9 599	580	30 471	16 574	13 897	10 430	40 901	
Germany, Fed. Rep.	16 330	12 363	1 390	30 083	21 772	8 311	3 656	33 739	
Greece	570	142	219	931	458	473	2 014	2 945	
Ireland	659	513	27	1 199	1 186	13	46	1 245	
Italy	2 606	1 534	476	4 616	1 309	3 307	4 506	9 122	
Netherlands	510	402	128	1 040	689	351	116	1 156	
Portugal	3 820	4 942	60	8 822	4 998	3 824	598	9 420	
Spain	4 100	9 000	1 049	14 149	8 710	5 439	3 390	17 539	
United Kingdom	3 065	1 720	272	5 057	4 278	779	147	5 204	
Scandinavia	45 424	50 119	1 678	97 221	85 019	12 202	8 352	105 573	
Finland	17 879	19 502	1 269	38 650	32 699	5 951	3 009	41 659	
Norway	4 670	4 722	229	9 621	9 150	471	919	10 540	
Sweden	22 875	25 895	180	48 950	43 170	5 780	4 424	53 374	
Other Western Europe	19 165	6 920	2 129	28 214	19 289	8 925	6 769	34 983	
Eastern Europe	37 062	20 654	16 347	74 063	46 628	27 435	16 871	90 934	
USSR	162 900	40 470	88 800	292 170	259 320	32 850	86 800	378 970	
Asia	172 009	21 866	63 149	257 025	95 507	161 517	764 312	1 021 337	
China, People's Rep.	54 517	6 888	37 503	98 908	62 186	36 722	177 610	276 518	
Hong Kong	-	-	-	-	-	-	-	186	186
India	18 350	1 208	4 476	24 034	2 761	21 273	230 229	254 263	
Japan	19 015	11 785	935	31 735	20 569	11 166	587	32 322	
Korea, Rep. of (South)	1 066	326	1 062	2 454	1 844	610	4 395	6 849	
Middle East - Asia	4 175	428	5 718	10 321	4 660	5 661	13 814	24 135	
Southeast Asia	66 228	1 131	8 083	75 442	610	74 832	203 499	278 941	
Oceania	16 252	11 795	1 763	29 810	15 238	14 572	8 804	38 614	
Australia	8 163	7 859	1 116	17 138	6 154	10 984	2 880	20 018	
New Zealand	4 937	3 718	636	9 291	8 978	313	50	9 341	
World	1 002 620	405 366	225 104	1 633 090	1 133 953	499 137	1 719 357	3 352 447	

^aSee Section X.B for details on groupings of trade areas in this table.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

IX - 3A. WORLD PRODUCTION OF LUMBER, 1986

Trade area ^a	Lumber			Railway ties	Total lumber and railway ties
	Softwoods	Hardwoods	Total		
1 000 m ³					
Total North America	136 114	17 308	153 422	210	153 632
Canada	54 163	894	55 057	--	55 057
United States	81 951	16 414	98 365	210	98 575
Central America	2 389	898	3 286	255	3 541
Mexico	1 757	180	1 937	206	2 143
South America	10 591	14 572	25 163	160	25 323
Brazil	8 384	9 679	18 063	--	18 063
Chile	2 034	250	2 284	3	2 287
Venezuela	-	336	336	--	336
Africa	2 015	5 869	7 884	330	8 214
Algeria	8	2	10	3	13
Morocco	94	55	149	--	149
Middle East - Africa	34	65	99	5	103
Europe	66 331	16 821	83 152	1 227	84 379
Western Europe	51 214	10 757	61 971	650	62 621
Economic Community	21 056	7 759	28 815	499	29 314
Belgium-Luxembourg	575	235	810	15	825
Denmark	450	400	850	29	879
France	5 740	2 865	8 605	188	8 793
Germany, Fed. Rep.	8 104	1 608	9 712	98	9 810
Greece	290	164	454	--	454
Ireland	294	6	300	--	300
Italy	854	1 001	1 855	64	1 919
Netherlands	175	250	425	--	425
Portugal	1 164	275	1 439	60	1 499
Spain	1 960	600	2 560	43	2 603
United Kingdom	1 450	355	1 805	2	1 807
Scandinavia	20 680	303	20 983	61	21 044
Finland	7 035	75	7 110	33	7 143
Norway	2 250	8	2 258	2	2 260
Sweden	11 395	220	11 615	26	11 641
Other Western Europe	9 478	2 695	12 173	90	12 263
Eastern Europe	15 117	6 064	21 181	577	21 758
USSR	88 500	12 500	101 000	--	101 000
Asia	51 855	47 040	98 895	737	99 632
China, People's Rep.	17 117	9 208	26 325	66	26 391
Hong Kong	-	248	248	--	248
India	2 374	14 834	17 208	252	17 460
Japan	25 246	3 792	29 038	67	29 105
Korea, Rep. of (South)	2 517	980	3 497	66	3 563
Middle East - Asia	3 411	1 663	5 074	121	5 195
Southeast Asia	58	15 058	15 116	130	15 246
Oceania	3 653	1 998	5 651	236	5 887
Australia	1 226	1 772	2 998	222	3 220
New Zealand	2 369	29	2 398	14	2 412
World	361 447	117 006	478 452	3 155	481 607

^aSee Section X.B for details on groupings of trade areas used in this table.

Note: Because production in Canada and the United States is based largely on nominal sizes, the actual wood volume is overstated by about one-third for these countries.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

IX - 3B. WORLD PRODUCTION OF LUMBER, 1987

Trade area ^a	Lumber			Railway ties	Total lumber and railway ties
	Softwoods	Hardwoods	Total		
1 000 m ³					
Total North America	149 331	18 580	167 911	210	168 121
Canada	61 011	950	61 961	--	61 961
United States	88 320	17 630	105 950	210	106 160
Central America	2 531	844	3 374	398	3 772
Mexico	1 892	169	2 061	349	2 410
South America	10 866	14 788	25 654	160	25 814
Brazil	8 384	9 679	18 063	--	18 063
Chile	2 309	368	2 677	3	2 680
Venezuela	-	336	336	--	336
Africa	2 078	6 084	8 162	330	8 492
Algeria	8	2	10	3	13
Morocco	94	55	149	--	149
Middle East - Africa	34	65	99	5	103
Europe	66 599	16 702	83 301	1 188	84 489
Western Europe	51 835	10 717	62 552	623	63 175
Economic Community	21 240	7 840	29 080	487	29 567
Belgium-Luxembourg	625	235	860	15	875
Denmark	450	400	850	29	879
France	5 933	2 912	8 845	188	9 033
Germany, Fed. Rep.	8 111	1 571	9 682	72	9 754
Greece	201	227	428	--	428
Ireland	294	6	300	--	300
Italy	729	1 098	1 827	78	1 905
Netherlands	157	220	377	--	377
Portugal	1 200	300	1 500	60	1 560
Spain	1 980	610	2 590	43	2 633
United Kingdom	1 560	261	1 821	2	1 823
Scandinavia	21 088	298	21 386	61	21 447
Finland	7 460	70	7 530	33	7 563
Norway	2 350	8	2 358	2	2 360
Sweden	11 278	220	11 498	26	11 524
Other Western Europe	9 507	2 579	12 086	75	12 161
Eastern Europe	14 764	5 985	20 749	565	21 314
USSR	89 400	12 600	102 000	--	102 000
Asia	53 127	50 158	103 285	719	104 004
China, People's Rep.	17 086	9 192	26 278	66	26 344
Hong Kong	-	248	248	--	248
India	2 374	14 834	17 208	252	17 460
Japan	26 180	3 932	30 112	47	30 159
Korea, Rep. of (South)	2 886	1 193	4 079	66	4 145
Middle East - Asia	3 411	1 663	5 074	121	5 195
Southeast Asia	58	17 839	17 897	132	18 029
Oceania	3 341	1 998	5 339	173	5 512
Australia	1 229	1 776	3 005	159	3 164
New Zealand	2 054	25	2 079	14	2 093
World	377 272	121 754	499 026	3 177	502 203

^a See Section X.B for details on groupings of trade areas used in this table.

Note: Because production in Canada and the United States is based largely on nominal sizes, the actual wood volume is overstated by about one-third for these countries.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

IX - 4A. WORLD PRODUCTION OF PANEL PRODUCTS, 1986

Trade area ^a	Plywood	Particle-board	Veneer sheets	Hardboard and building board	Rigid insulating board	Total panels
	1 000 m ³					
Total North America	22 361	11 581	750	1 987	4 155	40 834
Canada	1 877	2 487	750	137	675	5 926
United States	20 484	9 094	-	1 850	3 480	34 908
Central America	335	513	9	127	-	984
Mexico	272	403	2	79	-	756
South America	1 170	1 352	369	685	242	3 818
Brazil	902	660	234	550	200	2 546
Chile	25	149	13	41	-	228
Venezuela	40	98	-	-	18	156
Africa	625	539	571	131	33	1 900
Algeria	23	24	2	-	-	50
Morocco	50	30	25	-	-	105
Middle East - Africa	8	46	--	-	8	62
Europe	3 220	23 759	1 558	3 103	1 117	32 757
Western Europe	2 473	19 053	1 244	1 747	648	25 165
Economic Community	1 612	14 707	908	1 044	249	18 520
Belgium-Luxembourg	58	1 950	42	-	19	2 069
Denmark	30	310	6	--	-	346
France	490	1 790	58	147	52	2 537
Germany, Fed. Rep.	342	5 850	391	199	50	6 832
Greece	95	280	20	18	-	413
Ireland	-	66	-	-	-	66
Italy	375	1 400	297	250	-	2 322
Netherlands	16	40	17	-	22	95
Portugal	20	671	10	70	1	772
Spain	170	1 370	45	280	80	1 945
United Kingdom	16	980	22	80	25	1 123
Scandinavia	681	1 841	40	405	352	3 319
Finland	597	581	27	76	61	1 342
Norway	12	451	-	63	155	681
Sweden	72	809	13	266	136	1 296
Other Western Europe	180	2 505	296	298	47	3 326
Eastern Europe	747	4 706	314	1 356	469	7 592
USSR	2 300	7 200	445	1 907	1 683	13 535
Asia	17 566	2 116	1 042	1 746	413	22 882
China, People's Rep.	1 511	253	7	1 064	-	2 835
Hong Kong	12	-	-	-	-	12
India	360	32	4	43	3	442
Japan	6 824	900	300	400	400	8 824
Korea, Rep. of (South)	1 111	58	-	14	-	1 183
Middle East - Asia	196	757	22	96	10	1 081
Southeast Asia	7 475	53	708	116	-	8 352
Oceania	171	868	48	224	48	1 359
Australia	98	688	29	97	11	923
New Zealand	59	180	4	127	37	407
World	47 749	47 927	4 792	9 910	7 691	118 069

^aSee Section X.B for details on groupings of trade areas used in this table.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

IX - 4B. WORLD PRODUCTION OF PANEL PRODUCTS, 1987

Trade area ^a	Plywood	Particle-board	Veneer sheets	Hardboard and building board		Rigid insulating board	Total panels
				1 000 m ³			
Total North America	21 656	12 350	750	1 712	4 299	40 767	
Canada	2 221	2 969	750	137	699	6 776	
United States	19 435	9 381	-	1 575	3 600	33 991	
Central America	352	535	9	139	-	1 036	
Mexico	286	423	2	91	-	802	
South America	1 187	1 375	376	689	242	3 868	
Brazil	902	660	234	550	200	2 546	
Chile	37	172	9	45	-	263	
Venezuela	40	98	-	-	18	156	
Africa	624	546	573	131	33	1 907	
Algeria	23	24	2	-	-	50	
Morocco	50	30	25	-	-	105	
Middle East - Africa	8	46	--	-	8	62	
Europe	3 168	24 445	1 848	3 105	1 166	33 732	
Western Europe	2 472	19 921	1 528	1 807	716	26 444	
Economic Community	1 600	15 475	1 203	1 080	256	19 614	
Belgium-Luxembourg	60	2 025	40	-	19	2 144	
Denmark	30	310	11	--	-	351	
France	490	1 838	58	169	61	2 616	
Germany, Fed. Rep.	350	5 987	400	203	50	6 990	
Greece	70	270	20	18	-	378	
Ireland	-	66	-	-	-	66	
Italy	390	1 700	580	250	-	2 920	
Netherlands	15	40	17	-	22	94	
Portugal	18	751	10	69	1	849	
Spain	160	1 390	45	280	80	1 955	
United Kingdom	17	1 098	22	91	23	1 251	
Scandinavia	692	1 879	40	427	412	3 450	
Finland	606	610	27	92	68	1 403	
Norway	13	425	-	76	187	701	
Sweden	73	844	13	259	157	1 346	
Other Western Europe	180	2 567	285	300	48	3 380	
Eastern Europe	696	4 524	320	1 298	450	7 288	
USSR	2 300	7 600	445	1 907	1 683	13 935	
Asia	19 522	2 233	1 085	1 980	463	25 282	
China, People's Rep.	1 583	267	7	1 348	-	3 205	
Hong Kong	12	-	-	-	-	12	
India	360	32	4	43	3	442	
Japan	7 372	1 002	300	341	450	9 465	
Korea, Rep. of (South)	1 179	58	-	21	-	1 258	
Middle East - Asia	196	758	22	96	10	1 082	
Southeast Asia	8 743	53	751	118	-	9 665	
Oceania	180	887	48	287	66	1 468	
Australia	104	712	29	97	11	953	
New Zealand	62	175	4	190	55	486	
World	48 989	49 970	5 134	9 950	7 952	121 995	

^aSee Section X.B for details on groupings of trade areas used in this table.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

IX - 5A. WORLD PRODUCTION OF WOOD PULP, 1986

Trade area ^a	Chemical	Semi-chemical	Mechanical	Dissolving	Total wood pulp
1 000 t					
Total North America	53 906	4 071	14 099	1 363	73 439
Canada	11 899	322	9 069	222	21 512
United States	42 007	3 749	5 030	1 141	51 927
Central America	429	-	120	4	553
Mexico	429	-	117	4	550
South America	4 593	313	512	62	5 480
Brazil	3 323	125	329	62	3 839
Chile	692	-	154	-	846
Venezuela	-	-	7	-	7
Africa	651	168	276	581	1 676
Algeria	-	-	-	-	-
Morocco	81	-	-	-	81
Middle East - Africa	-	-	-	-	-
Europe	20 943	1 657	10 502	1 012	34 144
Western Europe	18 335	1 410	9 972	687	30 404
Economic Community	4 860	565	2 943	225	8 593
Belgium-Luxembourg	183	-	121	-	304
Denmark	-	65	-	-	65
France	1 444	140	430	8	2 022
Germany, Fed. Rep.	600	79	1 403	137	2 219
Greece	-	-	18	-	18
Ireland	-	-	-	-	-
Italy	55	70	436	30	591
Netherlands	-	-	133	-	133
Portugal	1 375	-	-	-	1 375
Spain	1 203	24	190	50	1 467
United Kingdom	-	187	212	-	399
Scandinavia	11 816	680	6 535	247	19 728
Finland	4 601	335	2 891	102	7 929
Norway	601	77	1 146	130	1 954
Sweden	6 614	268	2 498	15	9 395
Other Western Europe	1 659	165	494	215	2 533
Eastern Europe	2 608	247	530	325	3 710
USSR	7 059	387	2 033	895	10 374
Asia	9 349	581	2 593	381	12 904
China, People's Rep.	1 256	-	402	-	1 658
Hong Kong	-	-	-	-	-
India	490	77	150	200	917
Japan	6 963	453	1 662	172	9 250
Korea, Rep. of (South)	144	-	143	-	287
Middle East - Asia	211	3	152	9	375
Southeast Asia	199	48	52	-	299
Oceania	838	240	942	-	2 020
Australia	326	220	364	-	910
New Zealand	512	20	578	-	1 110
World	97 768	7 417	31 076	4 298	140 559

^aSee Section X.B for details on groupings of trade areas used in this table.

Note: Canada produces 15.3% of the world's output of wood pulp.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

IX - 5B. WORLD PRODUCTION OF WOOD PULP, 1987

Trade area ^a	Chemical	Semi-chemical	Mechanical	Dissolving	Total wood pulp
1 000 t					
Total North America	56 391	4 193	14 687	1 432	76 703
Canada	12 559	341	9 503	242	22 645
United States	43 832	3 852	5 184	1 190	54 058
Central America	446	—	110	4	559
Mexico	446	—	107	4	557
South America	4 652	311	514	75	5 552
Brazil	3 359	124	332	75	3 890
Chile	708	—	153	—	861
Venezuela	—	—	8	—	8
Africa	651	159	276	581	1 667
Algeria	—	—	—	—	—
Morocco	81	—	—	—	81
Middle East - Africa	—	—	—	—	—
Europe	21 620	1 683	10 985	1 030	35 318
Western Europe	19 046	1 440	10 448	711	31 645
Economic Community	4 928	565	3 034	231	8 758
Belgium-Luxembourg	183	—	121	—	304
Denmark	—	70	—	—	70
France	1 357	137	463	6	1 963
Germany, Fed. Rep.	606	79	1 433	142	2 260
Greece	—	—	18	—	18
Ireland	—	—	—	—	—
Italy	95	68	449	30	642
Netherlands	—	—	133	—	133
Portugal	1 408	—	—	—	1 408
Spain	1 279	24	205	53	1 561
United Kingdom	—	187	212	—	399
Scandinavia	12 510	720	6 892	282	20 404
Finland	4 917	360	3 062	128	8 467
Norway	644	83	1 083	139	1 949
Sweden	6 949	277	2 747	15	9 988
Other Western Europe	1 608	155	522	198	2 483
Eastern Europe	2 574	243	537	319	3 673
USSR	7 059	387	2 033	895	10 374
Asia	9 886	564	2 631	434	13 515
China, People's Rep.	1 325	—	384	—	1 709
Hong Kong	—	—	—	—	—
India	510	80	160	250	1 000
Japan	7 422	446	1 683	175	9 726
Korea, Rep. of (South)	149	—	168	—	317
Middle East - Asia	211	3	152	9	375
Southeast Asia	183	35	52	—	270
Oceania	860	200	984	—	2 044
Australia	349	180	407	—	936
New Zealand	511	20	577	—	1 108
World	101 565	7 497	32 220	4 451	145 732

^aSee Section X.B for details on groupings of trade areas used in this table.

Note: Canada produces 15.5% of the world's output of wood pulp.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

IX - 6A. WORLD PRODUCTION OF PAPER AND PAPERBOARD, 1986

Trade area ^a						Total
	Newsprint	Printing and writing paper	Wrapping and packaging paper and board	Tissue and sanitary paper	Other paper and paperboard	
1 000 t						
Total North America	14 397	20 027	37 471	5 055	2 753	79 703
Canada	9 289	2 399	3 140	431	--	15 259
United States	5 108	17 628	34 331	4 624	2 753	64 444
Central America	367	528	1 367	371	90	2 723
Mexico	367	452	1 283	317	50	2 469
South America	608	1 879	3 315	623	719	7 144
Brazil	213	1 351	2 018	286	617	4 485
Chile	169	67	112	36	4	388
Venezuela	-	106	345	149	12	612
Africa	487	499	1 228	109	126	2 449
Algeria	-	40	78	2	--	120
Morocco	-	25	62	3	19	109
Middle East - Africa	-	61	85	-	24	170
Europe	7 255	18 809	22 982	3 069	5 412	57 527
Western Europe	6 925	17 826	21 069	2 819	3 202	51 841
Economic Community	2 186	11 233	13 338	2 136	1 898	30 791
Belgium-Luxembourg	100	414	189	85	46	834
Denmark	-	133	113	12	35	293
France	303	2 133	2 750	233	164	5 583
Germany, Fed. Rep.	761	3 888	3 504	649	607	9 409
Greece	11	62	85	85	40	283
Ireland	-	-	40	-	--	40
Italy	212	1 975	1 879	241	324	4 631
Netherlands	185	600	1 094	157	5	2 041
Portugal	-	113	357	49	65	584
Spain	138	781	1 670	201	362	3 152
United Kingdom	476	1 134	1 657	424	250	3 941
Scandinavia	4 227	5 142	6 011	458	641	16 479
Finland	1 646	3 366	2 043	156	338	7 549
Norway	855	295	354	25	44	1 573
Sweden	1 726	1 481	3 614	277	259	7 357
Other Western Europe	512	1 451	1 720	225	663	4 571
Eastern Europe	330	983	1 913	250	2 210	5 686
USSR	1 621	1 310	-	-	7 156	10 087
Asia	4 019	10 235	12 627	1 831	11 285	39 997
China, People's Rep.	553	3 116	-	-	8 205	11 874
Hong Kong	-	-	38	2	--	40
India	250	850	406	12	282	1 800
Japan	2 641	4 949	9 871	1 613	1 988	21 062
Korea, Rep. of (South)	273	614	1 549	106	231	2 773
Middle East - Asia	151	191	259	31	121	753
Southeast Asia	95	384	396	67	367	1 309
Oceania	575	301	656	172	563	2 267
Australia	363	255	338	126	514	1 596
New Zealand	212	46	318	46	49	671
World	29 330	53 588	79 645	11 230	28 104	201 897

^aSee Section X.B for details on groupings of trade areas used in this table.

Note: Canada produces 31.7% of the world's newsprint.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

IX - 6B. WORLD PRODUCTION OF PAPER AND PAPERBOARD, 1987

Trade area ^a	Newsprint	Printing and writing paper	Wrapping and packaging paper and board	Tissue and sanitary paper	Other paper and paperboard	Total
1 000 t						
Total North America	14 973	21 256	39 322	5 257	2 781	83 589
Canada	9 673	2 660	3 275	449	--	16 057
United States	5 300	18 598	36 047	4 808	2 781	67 532
Central America	351	534	1 460	393	87	2 825
Mexico	351	467	1 367	339	49	2 573
South America	638	1 865	3 633	683	776	7 594
Brazil	232	1 307	2 169	307	663	4 678
Chile	180	64	143	48	7	442
Venezuela	-	117	388	157	12	674
Africa	484	513	1 250	109	132	2 488
Algeria	-	40	78	2	--	120
Morocco	-	25	62	3	19	109
Middle East - Africa	-	64	103	-	19	186
Europe	7 654	19 864	23 912	3 205	5 783	60 418
Western Europe	7 306	18 848	21 970	2 953	3 578	54 653
Economic Community	2 329	11 718	13 811	2 258	2 224	32 340
Belgium-Luxembourg	112	414	189	85	46	846
Denmark	-	130	113	15	35	293
France	299	2 204	2 711	276	342	5 832
Germany, Fed. Rep.	826	4 099	3 613	731	669	9 938
Greece	8	62	85	85	40	280
Ireland	-	-	40	-	--	40
Italy	242	2 025	2 086	232	297	4 882
Netherlands	212	603	1 141	158	54	2 168
Portugal	-	168	388	45	26	627
Spain	135	826	1 712	196	382	3 251
United Kingdom	495	1 187	1 733	435	333	4 183
Scandinavia	4 448	5 494	6 343	466	661	17 412
Finland	1 628	3 689	2 177	162	355	8 011
Norway	845	298	374	27	46	1 590
Sweden	1 975	1 507	3 792	277	260	7 811
Other Western Europe	529	1 636	1 816	229	691	4 901
Eastern Europe	348	1 016	1 942	252	2 207	5 765
USSR	1 700	1 310	-	-	7 156	10 166
Asia	4 303	11 973	12 847	1 458	12 895	43 476
China, People's Rep.	633	3 406	-	-	8 957	12 996
Hong Kong	-	-	38	2	--	40
India	276	860	435	13	302	1 886
Japan	2 668	6 255	9 722	1 226	2 666	22 537
Korea, Rep. of (South)	302	689	1 780	121	271	3 163
Middle East - Asia	157	194	260	35	119	765
Southeast Asia	209	433	486	61	489	1 678
Oceania	568	390	620	168	536	2 282
Australia	361	346	322	125	484	1 638
New Zealand	207	44	298	43	52	644
World	30 672	57 705	83 043	11 273	30 144	212 837

^aSee Section X.B for details on groupings of trade areas used in this table.

Note: Canada produces 31.5% of the world's newsprint.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

IX - 7A. WORLD EXPORTS OF FOREST PRODUCTS, 1986

Trade area ^a	Lumber and railway ties				Paper and paperboard			Total forest products
	Roundwood	Softwood lumber	Total	Panel products	Wood pulp	News- print	Total	
U.S.\$000 000								
Total North America	1 688	4 145	4 571	658	4 582	4 273	6 928	18 426
Canada	268	3 505	3 584	328	2 932	4 079	5 029	12 140
United States	1 420	640	987	330	1 650	195	1 899	6 286
Central America	1	32	34	16	-	-	22	74
Mexico	--	1	1	10	-	-	3	14
South America	52	86	276	176	641	59	434	1 478
Brazil	1	23	120	146	323	6	347	936
Chile	46	64	70	9	192	52	60	377
Venezuela	-	-	-	-	-	-	-	-
Africa	437	12	170	105	229	93	194	1 136
Algeria	-	-	-	-	-	-	-	-
Morocco	-	-	-	3	14	-	-	17
Middle East - Africa	-	-	-	-	-	-	-	-
Europe	1 242	3 227	3 964	2 327	3 169	1 943	16 246	26 949
Western Europe	1 025	2 934	3 588	2 229	3 098	1 918	15 847	25 784
Economic Community	710	402	884	1 412	821	242	7 041	10 868
Belgium-Luxembourg	77	24	74	304	67	17	305	826
Denmark	29	13	32	39	16	1	113	229
France	282	21	189	171	155	9	1 095	1 893
Germany, Fed. Rep.	222	165	280	470	74	122	2 541	3 587
Greece	--	--	1	17	-	--	14	31
Ireland	5	8	12	3	-	--	9	30
Italy	2	16	33	170	25	7	687	918
Netherlands	24	21	113	55	2	49	1 106	1 299
Portugal	24	117	122	69	341	-	116	674
Spain	22	14	16	71	140	2	257	506
United Kingdom	21	4	12	43	2	35	799	877
Scandinavia	189	2 036	2 046	483	2 055	1 658	7 435	12 209
Finland	111	727	730	342	617	652	3 692	5 491
Norway	26	40	40	23	227	295	603	921
Sweden	52	1 269	1 275	118	1 211	711	3 140	5 797
Other Western Europe	126	496	656	334	221	18	1 370	2 707
Eastern Europe	217	293	378	98	72	25	399	1 164
USSR	838	1 001	1 027	199	474	151	430	2 967
Asia	1 317	78	1 514	1 931	41	41	1 472	6 275
China, People's Rep.	7	16	38	244	23	-	217	529
Hong Kong	--	-	17	3	-	-	57	78
India	1	-	1	32	-	-	1	36
Japan	8	1	19	67	15	19	854	963
Korea, Rep. of (South)	-	27	29	51	-	13	147	226
Middle East - Asia	8	11	13	17	-	-	38	75
Southeast Asia	1 177	24	1 350	1 517	3	1	150	4 197
Oceania	295	60	73	26	114	53	133	642
Australia	161	--	9	3	-	1	33	207
New Zealand	39	57	58	19	114	52	100	331
World	5 870	8 642	11 630	5 438	9 151	6 614	25 859	57 947

^aSee Section X.B for details on groupings of trade areas used in this table.

Note: Canada accounts for 21.0% of total world exports of forest products.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

IX - 7B. WORLD EXPORTS OF FOREST PRODUCTS, 1987

Trade area ^a	Lumber and railway ties			Paper and paperboard			Total forest products
	Roundwood	Softwood lumber	Total	Panel products	Wood pulp	News- print	
U.S.\$000 000							
Total North America	2 193	5 195	5 798	805	6 437	4 757	8 033
Canada	342	4 344	4 449	363	4 128	4 547	5 814
United States	1 851	851	1 349	442	2 309	210	2 219
Central America	1	32	34	14	—	—	21
Mexico	--	1	1	10	—	—	3
South America	90	135	425	210	586	71	413
Brazil	1	28	189	163	298	8	313
Chile	82	107	114	11	263	61	74
Venezuela	-	-	-	-	-	-	-
Africa	416	12	212	115	232	55	161
Algeria	-	-	-	-	-	-	-
Morocco	-	-	-	3	14	-	17
Middle East - Africa	-	-	-	-	-	-	-
Europe	1 504	3 580	4 533	2 947	4 287	2 474	21 584
Western Europe	1 281	3 254	4 092	2 799	4 214	2 443	21 138
Economic Community	854	499	1 078	1 771	1 144	347	9 488
Belgium-Luxembourg	100	34	93	391	101	25	633
Denmark	33	15	37	51	16	1	135
France	324	28	237	258	227	16	1 716
Germany, Fed. Rep.	260	208	341	575	9	174	3 181
Greece	1	-	1	17	-	2	18
Ireland	5	8	12	3	-	--	9
Italy	2	18	37	205	22	15	833
Netherlands	33	28	145	69	1	63	1 432
Portugal	35	138	142	92	540	-	132
Spain	33	17	19	60	140	2	257
United Kingdom	27	5	13	52	1	48	1 140
Scandinavia	241	2 147	2 159	603	2 802	2 075	9 687
Finland	127	936	941	438	879	745	4 689
Norway	39	46	47	28	304	357	714
Sweden	76	1 164	1 171	137	1 619	973	4 284
Other Western Europe	186	608	855	424	268	21	1 965
Eastern Europe	223	326	441	148	73	31	447
USSR	858	978	1 004	225	468	154	453
Asia	1 843	108	1 912	2 768	44	54	1 633
China, People's Rep.	5	30	56	283	33	1	272
Hong Kong	--	-	17	3	-	-	57
India	1	-	1	13	-	-	1
Japan	4	1	14	48	8	24	791
Korea, Rep. of (South)	-	46	48	56	-	20	261
Middle East - Asia	6	10	11	16	-	-	38
Southeast Asia	1 711	22	1 719	2 348	3	1	204
Oceania	428	57	65	45	150	54	163
Australia	244	--	5	5	-	1	55
New Zealand	51	54	55	37	150	53	108
World	7 332	10 096	13 982	7 129	12 204	7 619	32 462
							73 109

^aSee Section X.B for details on groupings of trade areas used in this table.

Note: Canada accounts for 20.6% of total world exports of forest products.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

IX - 8A. WORLD IMPORTS OF FOREST PRODUCTS, 1986

Trade area ^a	Lumber and railway ties				Paper and paperboard			Total forest products
	Roundwood	Softwood lumber	Total	Panel products	Wood pulp	News- print	Total	
U.S.\$000 000								
Total North America	225	2 943	3 277	987	1 671	3 682	6 092	12 252
Canada	166	103	280	135	90	-	471	1 141
United States	60	2 841	2 997	852	1 581	3 682	5 621	11 111
Central America	15	208	257	71	150	73	605	1 097
Mexico	3	40	46	9	127	13	135	319
South America	10	30	74	24	168	278	648	924
Brazil	7	-	17	79	18	92	178	228
Chile	-	-	-	-	-	-	34	34
Venezuela	2	3	8	12	75	79	124	221
Africa	118	655	796	252	79	80	902	2 148
Algeria	31	102	106	48	32	6	72	289
Morocco	24	42	56	6	9	5	39	134
Middle East - Africa	43	458	488	154	4	21	256	946
Europe	2 452	4 388	6 121	3 187	5 340	2 030	14 940	32 039
Western Europe	2 347	3 988	5 708	3 073	5 058	1 967	14 535	30 179
Economic Community	1 453	3 583	5 152	2 624	4 531	1 922	13 008	26 767
Belgium-Luxembourg	129	131	206	159	203	81	807	1 503
Denmark	30	285	324	179	49	104	604	1 187
France	229	288	444	258	774	197	1 945	3 650
Germany, Fed. Rep.	292	611	888	597	1 404	502	3 232	6 414
Greece	56	76	91	16	72	29	144	379
Ireland	2	37	53	34	7	26	172	268
Italy	432	580	891	195	793	147	1 007	3 318
Netherlands	61	333	598	369	273	174	1 409	2 711
Portugal	79	1	7	3	18	21	89	196
Spain	107	107	219	23	189	66	396	934
United Kingdom	35	1 133	1 431	791	749	574	3 202	6 208
Scandinavia	583	166	236	213	144	--	566	1 741
Finland	161	--	13	14	34	-	104	326
Norway	106	153	174	80	45	-	194	599
Sweden	317	13	48	119	66	--	267	817
Other Western Europe	311	239	321	236	381	45	961	2 210
Eastern Europe	105	400	412	114	284	63	405	1 320
USSR	25	15	66	44	119	3	435	688
Asia	5 369	1 146	1 927	885	1 948	796	4 008	14 137
China, People's Rep.	879	2	207	152	299	70	1 120	2 657
Hong Kong	51	1	30	122	4	57	496	702
India	30	--	1	1	39	89	154	225
Japan	3 705	872	1 118	181	1 057	296	672	6 733
Korea, Rep. of (South)	495	2	58	-	266	-	111	928
Middle East - Asia	125	267	369	302	80	95	575	1 451
Southeast Asia	68	1	140	90	181	158	711	1 190
Oceania	2	179	245	58	74	128	581	959
Australia	--	160	219	42	69	102	465	795
New Zealand	1	9	15	4	5	21	97	122
World	8 215	9 564	12 763	5 507	9 548	7 069	28 211	64 245

^aSee Section X.B for details on groupings of trade areas used in this table.

Note: Canada accounts for only 1.8% of total world imports of forest products.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

IX - 8B. WORLD IMPORTS OF FOREST PRODUCTS, 1987

Trade area ^a	Roundwood	Lumber and railway ties			Paper and paperboard			Total forest products
		Softwood lumber	Total	Panel products	Wood pulp	News- print	Total	
U.S.\$000 000								
Total North America	239	3 160	3 653	1 256	2 138	4 116	7 016	14 302
Canada	155	105	344	157	108	-	550	1 313
United States	83	3 054	3 309	1 099	2 032	4 116	6 466	12 989
Central America	17	187	232	85	155	71	609	1 097
Mexico	3	40	46	9	127	13	135	319
South America	7	30	70	23	189	260	670	959
Brazil	5	-	13	7	18	78	190	233
Chile	-	-	-	-	-	-	46	46
Venezuela	2	3	8	12	100	79	124	246
Africa	130	576	718	250	79	100	908	2 084
Algeria	25	86	90	48	32	6	72	267
Morocco	24	42	56	6	9	5	39	134
Middle East - Africa	61	400	432	154	4	39	274	924
Europe	2 914	5 399	7 824	4 022	7 246	2 497	19 108	41 114
Western Europe	2 809	5 037	7 450	3 891	6 890	2 432	18 655	39 695
Economic Community	1 626	4 530	6 741	3 309	6 200	2 374	16 707	34 583
Belgium-Luxembourg	159	190	407	195	289	104	1 189	2 239
Denmark	25	303	337	225	63	139	716	1 367
France	234	364	584	367	1 015	132	2 787	4 987
Germany, Fed. Rep.	343	752	1 120	797	1 855	620	3 986	8 102
Greece	49	102	117	27	80	43	190	452
Ireland	2	37	53	34	7	26	172	268
Italy	501	742	1 228	265	1 118	187	1 406	4 518
Netherlands	71	401	737	431	351	226	1 730	3 321
Portugal	84	1	10	5	21	31	103	223
Spain	111	126	248	47	189	66	396	991
United Kingdom	47	1 512	1 899	916	1 211	800	4 031	8 105
Scandinavia	811	217	303	284	176	-	712	2 286
Finland	206	1	18	21	51	-	142	439
Norway	150	201	224	98	48	-	241	761
Sweden	455	15	60	165	77	-	329	1 086
Other Western Europe	371	290	406	298	514	58	1 237	2 826
Eastern Europe	105	362	375	131	356	65	452	1 419
USSR	26	15	53	38	145	6	397	659
Asia	7 236	1 701	2 953	1 493	2 654	885	4 459	18 795
China, People's Rep.	1 011	5	321	239	441	85	1 295	3 307
Hong Kong	60	1	41	191	4	59	498	794
India	67	--	1	1	39	94	158	267
Japan	5 218	1 426	1 888	598	1 436	337	772	9 913
Korea, Rep. of (South)	640	3	91	-	403	-	177	1 311
Middle East - Asia	150	264	366	293	81	105	607	1 497
Southeast Asia	74	1	236	135	229	174	768	1 441
Oceania	3	162	237	58	130	131	651	1 079
Australia	--	142	206	41	120	95	492	859
New Zealand	3	10	19	6	10	32	140	178
World	10 572	11 229	15 739	7 226	12 736	8 066	33 816	80 090

^aSee Section X.B for details on groupings of trade areas used in this table.

Note: Canada accounts for only 1.6% of total world imports of forest products.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

IX - 9A. WORLD APPARENT CONSUMPTION OF FOREST PRODUCTS, 1986

Trade area ^a	Lumber and railway ties					Paper and paperboard		
	Roundwood	Softwood lumber		Panel products	Wood pulp	News- print	1 000 t	Total
		Total	1 000 m ³					
----- 1 000 m ³ -----								
Total North America	644 287	127 535	145 015	42 153	66 178	13 241	76 210	
Canada	177 344	17 130	18 421	4 799	14 157	698	5 125	
United States	466 943	110 405	126 594	37 354	52 020	12 543	71 086	
Central America	58 403	3 414	4 816	1 203	955	511	3 566	
Mexico	21 241	2 035	2 447	785	897	393	2 595	
South America	312 651	9 991	24 500	3 292	4 399	1 033	7 243	
Brazil	237 829	8 304	18 032	2 125	3 001	420	4 074	
Chile	14 911	1 201	1 431	173	281	38	270	
Venezuela	1 322	31	389	176	227	150	808	
Africa	446 184	5 042	11 061	2 103	1 323	356	3 151	
Algeria	2 196	608	627	143	70	16	207	
Morocco	2 216	415	524	123	44	7	179	
Middle East - Africa	66 426	1 918	2 140	358	10	27	483	
Europe	368 587	72 794	93 980	36 627	38 624	7 005	54 947	
Western Europe	278 889	56 919	71 781	28 815	34 333	6 514	49 047	
Economic Community	124 880	40 762	52 846	23 840	16 830	5 396	41 336	
Belgium-Luxembourg	5 686	1 310	1 965	1 115	615	222	1 591	
Denmark	1 632	2 025	2 509	904	120	204	937	
France	35 746	7 309	10 102	3 218	3 438	641	6 916	
Germany, Fed. Rep.	29 365	10 897	12 999	7 670	5 160	1 453	11 289	
Greece	3 192	667	883	484	195	69	478	
Ireland	931	471	524	192	11	53	283	
Italy	14 746	4 410	6 542	2 749	2 369	469	5 400	
Netherlands	1 367	2 320	3 304	1 298	760	426	2 531	
Portugal	9 269	48	358	280	525	43	464	
Spain	17 783	2 414	3 634	1 736	1 494	277	3 371	
United Kingdom	5 162	8 892	10 026	4 195	2 144	1 540	8 079	
Scandinavia	114 699	8 954	9 430	2 467	14 610	563	4 219	
Finland	44 581	2 498	2 618	585	6 535	176	1 360	
Norway	11 867	2 711	2 754	745	1 484	149	583	
Sweden	58 252	3 746	4 061	1 137	6 591	239	2 276	
Other Western Europe	39 310	7 204	9 505	2 508	2 893	554	3 492	
Eastern Europe	89 699	15 875	22 200	7 812	4 291	492	5 900	
USSR	359 344	80 669	93 184	12 589	9 453	1 270	9 513	
Asia	1 046 070	57 699	101 985	18 705	17 733	5 435	43 908	
China, People's Rep.	284 259	17 113	27 130	2 913	2 461	743	12 842	
Hong Kong	818	9	337	315	9	137	786	
India	250 587	2 376	17 462	414	984	417	2 029	
Japan	74 633	29 864	34 610	9 629	11 761	3 009	21 107	
Korea, Rep. of (South)	14 084	2 365	3 686	1 012	1 016	239	2 606	
Middle East - Asia	24 986	4 874	7 127	1 946	563	338	1 556	
Southeast Asia	251 804	-45	9 180	2 203	768	439	2 307	
Oceania	28 902	4 353	6 814	1 390	1 753	736	2 766	
Australia	13 412	2 231	4 442	1 024	1 133	616	2 220	
New Zealand	8 347	2 007	2 064	330	621	116	523	
World	3 264 429	361 495	481 355	118 062	140 418	29 587	201 304	

^aSee Section X.B for details on groupings of trade areas used in this table.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

IX - 9B. WORLD APPARENT CONSUMPTION OF FOREST PRODUCTS, 1987

Trade area ^a	Lumber and railway ties					Paper and paperboard		
	Roundwood	Softwood lumber		Total	Panel products	Wood pulp	News- print	Total
		Total	1 000 m ³					
Total North America	694 803	136 572	155 247	42 508	68 670	14 036	80 199	
Canada	189 887	20 370	21 793	5 700	14 602	901	5 425	
United States	504 916	116 201	133 455	36 808	54 068	13 135	74 774	
Central America	59 869	3 429	4 919	1 284	971	490	3 662	
Mexico	21 960	2 170	2 714	831	904	377	2 699	
South America	315 982	9 985	24 512	3 263	4 635	1 022	7 774	
Brazil	241 527	8 317	17 845	2 071	3 118	401	4 336	
Chile	13 869	1 182	1 529	206	335	53	344	
Venezuela	1 340	31	389	176	303	150	870	
Africa	458 076	4 723	10 885	2 106	1 304	482	3 302	
Algeria	2 220	508	527	143	70	16	207	
Morocco	2 240	415	524	123	44	7	179	
Middle East - Africa	68 243	1 672	1 888	357	10	49	521	
Europe	377 125	73 730	95 239	37 763	40 407	7 244	57 268	
Western Europe	288 464	58 444	73 872	30 332	36 058	6 755	51 303	
Economic Community	129 653	42 340	55 231	25 068	17 705	5 627	43 779	
Belgium-Luxembourg	5 953	1 560	2 305	1 069	637	240	1 684	
Denmark	1 534	1 847	2 211	804	131	230	955	
France	37 244	7 644	10 570	3 142	3 391	473	7 456	
Germany, Fed. Rep.	32 927	10 886	13 040	7 859	5 309	1 528	11 688	
Greece	3 187	674	947	494	185	85	498	
Ireland	931	471	524	192	11	53	283	
Italy	14 332	4 583	7 099	3 409	2 652	517	5 887	
Netherlands	1 350	2 268	3 283	1 310	751	467	2 576	
Portugal	9 149	231	595	309	432	54	545	
Spain	18 027	2 510	3 792	1 911	1 588	274	3 470	
United Kingdom	5 019	9 667	10 865	4 570	2 618	1 705	8 737	
Scandinavia	119 046	9 069	9 559	2 736	15 444	557	3 831	
Finland	45 968	2 588	2 705	654	6 960	191	1 247	
Norway	12 346	2 592	2 643	761	1 422	119	616	
Sweden	60 732	3 889	4 211	1 322	7 063	247	1 967	
Other Western Europe	39 765	7 035	9 082	2 527	2 909	572	3 694	
Eastern Europe	88 661	15 287	21 367	7 431	4 350	489	5 965	
USSR	359 487	81 756	94 335	12 828	9 511	1 348	9 469	
Asia	1 065 776	60 265	107 728	21 796	18 788	5 804	47 594	
China, People's Rep.	289 388	17 091	27 452	3 468	2 744	850	14 136	
Hong Kong	916	9	396	483	9	141	790	
India	255 055	2 378	17 466	427	1 067	451	2 123	
Japan	78 848	32 178	37 543	11 775	12 420	3 052	22 724	
Korea, Rep. of (South)	13 344	2 630	4 294	1 082	1 104	263	2 921	
Middle East - Asia	25 142	4 850	7 104	1 927	563	360	1 596	
Southeast Asia	255 132	-12	11 018	2 363	709	572	2 605	
Oceania	28 376	3 910	6 328	1 414	1 839	746	2 792	
Australia	12 628	2 060	4 222	1 035	1 197	597	2 203	
New Zealand	8 214	1 734	1 795	343	642	147	566	
World	3 359 494	374 370	499 191	122 962	146 126	31 172	212 060	

^aSee Section X.B for details on groupings of trade areas used in this table.

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

**IX - 10. APPARENT CONSUMPTION OF FOREST PRODUCTS BY MAJOR COMMODITY GROUP
AND SELECTED COUNTRIES, 1961-1987**

Country/ year	Lumber and railway ties				Paper and paperboard		
	Roundwood	Softwood lumber	Total	Panel products	Wood pulp	News- print	Total
----- 1 000 m ³ -----							
A. Canada							
1961	91 109	7 007	8 085	1 374	8 027	422	2 241
1965	100 792	9 226	10 531	1 969	9 810	481	3 031
1970	117 973	8 470	9 811	2 951	11 592	657	3 347
1975	115 955	11 298	12 709	4 168	9 927	661	3 440
1980	157 742	14 600	16 611	3 692	12 842	918	4 094
1981	143 504	12 634	14 224	3 945	12 661	959	4 655
1982	128 768	8 980	10 248	3 132	11 031	1 039	4 096
1983	155 292	7 966	9 296	4 373	12 551	1 011	4 437
1984	163 903	12 079	13 775	4 132	13 606	1 065	4 858
1985	170 103	15 442	16 936	4 536	13 446	718	4 831
1986	177 344	17 130	18 421	4 799	14 157	698	5 125
1987	189 887	20 370	21 793	5 700	14 602	901	5 425
B. United States							
1961	291 309	69 145	83 454	11 552	23 917	6 655	34 910
1965	320 518	78 193	96 268	17 877	30 712	7 637	42 298
1970	315 422	75 711	93 090	25 203	37 676	9 032	49 773
1975	291 896	71 933	85 697	26 211	37 187	8 503	48 314
1980	399 337	84 110	101 196	27 401	46 448	10 673	60 577
1981	404 209	76 826	92 755	28 385	47 564	10 837	61 307
1982	379 778	76 199	87 341	25 401	45 022	10 219	58 584
1983	420 764	91 587	104 726	31 435	48 091	10 697	63 094
1984	435 232	100 448	114 837	33 127	51 226	11 912	68 575
1985	429 702	102 556	116 876	34 916	49 629	12 324	67 835
1986	466 943	110 405	126 594	37 354	52 020	12 543	71 088
1987	504 916	116 201	133 455	36 803	54 068	13 135	74 774
C. World							
1961	2 053 569	262 913	344 211	26 335	61 607	14 477	77 465
1965	2 226 025	292 152	382 128	42 080	77 756	16 918	97 206
1970	2 460 085	311 627	413 503	69 839	101 646	21 408	125 897
1975	2 578 062	303 848	404 326	84 381	101 742	20 874	130 404
1980	2 932 023	330 938	448 366	100 450	125 230	25 686	168 794
1981	2 939 431	313 227	428 032	100 253	124 470	26 492	169 571
1982	2 930 489	309 468	420 993	96 258	119 233	25 628	167 198
1983	3 045 382	324 398	438 051	104 916	127 648	26 146	175 877
1984	3 135 991	340 856	457 598	108 039	135 398	28 117	189 192
1985	3 165 675	346 259	464 579	111 486	135 403	28 643	191 581
1986	3 264 429	361 495	481 355	118 062	140 418	29 587	201 304
1987	3 359 494	374 370	499 191	122 962	146 126	31 172	212 060

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

**IX - 11. PRODUCTION OF FOREST PRODUCTS (QUANTITY) BY MAJOR COMMODITY GROUP
AND SELECTED COUNTRIES, 1961-1987**

Country/ year	Lumber and railway ties				Paper and paperboard		
	Roundwood	Softwood lumber	Total	Panel products	Wood pulp	News- print	Total
	----- 1 000 m ³ -----				----- 1 000 t -----		
A. Canada							
1961	93 569	18 483	19 644	1 493	10 574	6 095	7 975
1965	103 670	24 302	25 782	2 314	13 221	7 003	9 758
1970	121 385	25 408	26 932	3 288	16 609	7 996	11 253
1975	115 276	25 742	26 715	3 734	14 831	7 010	10 067
1980	158 842	42 895	44 324	4 802	19 945	8 625	13 390
1981	144 572	38 719	39 675	4 711	19 275	8 946	13 835
1982	129 673	36 078	37 168	4 134	17 007	8 117	12 408
1983	156 965	41 157	42 070	5 324	19 221	8 486	13 353
1984	165 622	48 582	49 869	5 474	20 451	9 014	14 222
1985	170 239	53 443	54 586	6 058	20 250	8 991	14 448
1986	177 144	54 163	55 057	5 928	21 512	9 289	15 259
1987	191 224	61 011	61 961	6 776	22 645	9 673	16 057
B. United States							
1961	289 770	61 088	75 161	10 832	22 759	1 883	30 758
1965	322 564	68 815	86 437	16 412	29 154	1 978	37 868
1970	327 945	64 971	81 854	23 026	37 318	3 143	45 805
1975	307 723	61 867	75 903	25 005	36 808	3 348	45 248
1980	418 453	66 588	84 112	26 224	46 187	4 238	56 839
1981	419 016	59 969	76 310	27 300	47 200	4 753	57 667
1982	396 896	58 830	70 307	24 204	44 786	4 574	54 899
1983	437 762	68 208	81 290	29 518	47 660	4 687	58 804
1984	452 215	73 508	88 375	30 904	50 398	5 029	62 366
1985	448 488	72 367	86 800	32 197	49 061	4 923	60 959
1986	484 511	81 951	98 575	34 908	51 927	5 108	64 444
1987	524 282	88 320	106 160	33 991	54 058	5 300	67 532
C. World							
1961	2 050 551	263 251	344 219	26 281	61 531	14 362	77 493
1965	2 220 785	293 171	382 476	41 893	77 806	17 017	97 615
1970	2 460 878	312 099	414 553	69 560	101 936	21 492	126 481
1975	2 580 070	304 703	405 060	84 436	102 103	20 442	130 472
1980	2 928 000	333 565	450 850	101 116	125 810	25 415	170 234
1981	2 932 493	315 548	430 004	100 375	125 158	26 510	170 911
1982	2 926 877	311 465	422 836	96 235	119 554	24 966	167 252
1983	3 037 942	327 270	441 452	105 454	128 194	26 003	177 161
1984	3 128 026	343 111	460 233	108 446	135 599	27 795	189 926
1985	3 158 278	347 182	465 114	111 805	135 529	28 261	192 578
1986	3 254 392	361 447	481 607	118 069	140 559	29 330	201 897
1987	3 352 447	377 272	502 203	121 995	145 732	30 672	212 837

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

**IX - 12. EXPORTS OF FOREST PRODUCTS (QUANTITY) BY MAJOR COMMODITY GROUP
AND SELECTED COUNTRIES, 1961-1987**

Country/ year	Lumber and railway ties			Paper and paperboard			
	Roundwood	Softwood lumber	Total	Panel products	Wood pulp	News- print	
----- 1 000 m ³ -----						----- 1 000 t -----	
A. Canada							
1961	3 781	11 832	12 168	210	2 603	5 673	5 881
1965	4 950	15 458	15 932	468	3 495	6 523	6 871
1970	5 598	17 337	17 743	579	5 063	7 339	8 073
1975	2 405	15 305	15 522	482	4 986	6 349	7 158
1980	4 249	28 966	29 326	1 344	7 244	7 707	9 555
1981	3 930	27 293	27 631	1 218	6 752	7 987	9 558
1982	3 564	27 605	27 903	1 171	6 123	7 078	8 642
1983	5 022	33 964	34 249	1 265	6 823	7 475	9 341
1984	5 737	37 131	37 484	1 619	7 040	7 949	9 903
1985	4 750	38 664	39 004	1 819	7 024	8 275	10 157
1986	5 068	37 826	38 192	1 587	7 622	8 591	10 763
1987	6 181	41 381	41 862	1 585	8 241	8 772	11 338
B. United States							
1961	2 662	1 450	1 797	43	1 068	165	946
1965	5 798	1 969	2 304	86	1 272	76	1 490
1970	16 391	2 720	3 035	304	2 808	130	2 421
1975	18 198	3 248	4 073	1 025	2 391	150	2 569
1980	22 362	4 647	5 834	968	3 392	159	4 120
1981	17 849	4 477	5 618	1 315	3 322	245	3 576
1982	19 759	3 818	4 694	917	3 060	279	3 288
1983	20 269	4 332	5 522	1 135	3 275	268	3 577
1984	19 935	3 748	5 016	1 048	3 215	278	3 488
1985	21 368	3 555	4 534	936	3 415	285	3 215
1986	20 410	4 406	5 662	1 361	4 013	356	3 913
1987	22 566	5 781	7 571	1 708	4 397	308	4 112
C. World							
1961	38 351	36 352	40 981	3 084	9 773	7 732	12 772
1965	49 768	43 950	49 434	5 292	12 480	8 985	16 489
1970	96 398	49 348	57 424	9 728	16 921	10 641	23 387
1975	100 943	43 250	52 410	12 436	15 078	9 369	23 074
1980	116 957	65 938	79 625	16 323	21 188	12 321	35 041
1981	100 190	60 646	72 534	16 759	20 197	12 922	35 364
1982	98 980	61 439	73 094	15 443	18 533	11 508	33 667
1983	100 957	70 576	83 780	17 389	21 080	12 143	36 812
1984	103 249	72 755	86 112	18 223	21 529	13 127	39 902
1985	106 264	73 473	85 981	19 101	21 774	13 806	40 906
1986	106 846	73 653	87 122	20 539	23 287	14 162	43 554
1987	117 433	78 782	94 919	23 025	24 520	14 537	47 027

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

**IX - 13. EXPORTS OF FOREST PRODUCTS (VALUE) BY MAJOR COMMODITY GROUP
AND SELECTED COUNTRIES, 1961-1987**

Country/ year	Lumber and railway ties			Paper and paperboard			Total forest products	
	Roundwood	Softwood lumber	Total	Panel products	Wood pulp	News- print		
U.S.\$000 000								
A. Canada								
1961	39	343	366	35	332	730	764	
1965	50	458	490	70	459	809	866	
1970	71	614	650	77	753	1 065	1 192	
1975	58	933	961	94	1 789	1 714	1 980	
1980	172	2 793	2 884	274	3 311	3 143	3 883	
1981	162	2 471	2 553	255	3 186	3 608	4 272	
1982	175	2 311	2 378	251	2 622	3 309	3 975	
1983	222	3 169	3 238	301	2 481	3 250	3 998	
1984	268	3 232	3 306	349	3 019	3 695	4 577	
1985	207	3 316	3 381	355	2 484	3 958	4 794	
1986	268	3 505	3 584	328	2 932	4 079	5 029	
1987	342	4 344	4 449	363	4 128	4 547	5 814	
							15 095	
B. United States								
1961	55	62	84	10	159	23	212	
1965	127	94	120	23	190	11	317	
1970	407	162	194	42	464	19	515	
1975	871	342	413	222	897	52	1 101	
1980	2 007	778	1 054	284	1 629	86	2 017	
1981	1 585	653	926	349	1 656	140	2 013	
1982	1 528	576	805	251	1 408	143	1 714	
1983	1 372	596	898	311	1 351	127	1 719	
1984	1 374	530	835	236	1 483	114	1 813	
1985	1 451	493	754	228	1 343	131	1 559	
1986	1 420	640	987	330	1 650	195	1 899	
1987	1 851	851	1 349	442	2 309	210	2 219	
							8 170	
C. World								
1961	669	1 344	1 608	407	1 205	1 001	2 088	
1965	926	1 701	2 045	686	1 598	1 125	2 689	
1970	1 897	2 108	2 688	1 146	2 498	1 493	4 336	
1975	3 726	3 839	4 975	2 273	5 344	2 729	9 492	
1980	8 763	9 087	12 344	5 161	9 543	5 293	20 047	
1981	6 647	7 681	10 260	4 922	9 279	5 868	20 044	
1982	6 279	7 007	9 402	4 327	7 773	5 282	18 732	
1983	5 891	8 044	10 837	4 653	7 698	5 062	18 525	
1984	5 403	7 984	10 611	4 514	9 065	5 582	20 721	
1985	5 479	7 716	10 117	4 505	7 835	6 040	21 605	
1986	5 870	8 642	11 630	5 438	9 151	6 614	25 859	
1987	7 332	10 096	13 982	7 129	12 204	7 619	32 462	
							73 109	

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

**IX - 14. IMPORTS OF FOREST PRODUCTS (VALUE) BY MAJOR COMMODITY GROUP
AND SELECTED COUNTRIES, 1961-1987**

Country/ year	Lumber and railway ties			Paper and paperboard			Total forest products	
	Roundwood	Softwood lumber	Total	Panel products	Wood pulp	News- print		
U.S.\$000 000								
A. Canada								
1961	14	15	31	14	8	-	42	
1965	27	17	36	20	12	-	51	
1970	30	21	39	36	8	-	48	
1975	63	70	127	143	28	-	247	
1980	82	92	251	76	64	-	224	
1981	84	108	255	129	67	-	321	
1982	80	58	157	54	68	-	273	
1983	102	99	240	95	66	-	338	
1984	128	84	246	99	94	-	438	
1985	136	82	230	100	91	-	424	
1986	166	103	280	135	90	-	471	
1987	155	105	344	157	106	-	550	
							1 313	
B. United States								
1961	39	274	315	108	303	687	718	
1965	35	318	375	192	398	790	833	
1970	46	424	487	265	480	930	1 022	
1975	52	834	920	334	1 037	1 457	1 614	
1980	94	1 767	1 915	586	1 673	2 638	3 314	
1981	97	1 699	1 851	660	1 753	2 825	3 347	
1982	91	1 569	1 671	504	1 485	3 749	4 338	
1983	114	2 646	2 800	853	1 485	2 817	3 734	
1984	96	2 557	2 723	766	1 845	3 370	5 067	
1985	80	2 772	2 942	791	1 517	3 720	5 427	
1986	60	2 841	2 997	852	1 581	3 682	5 621	
1987	83	3 054	3 309	1 099	2 032	4 116	6 466	
							12 989	
C. World								
1961	936	1 509	1 841	435	1 316	1 125	2 230	
1965	1 357	1 925	2 361	730	1 743	1 251	2 870	
1970	2 721	2 441	3 021	1 184	2 650	1 619	4 568	
1975	5 187	4 222	5 587	2 309	5 594	3 117	10 151	
1980	12 438	10 181	13 969	5 237	9 777	5 758	20 846	
1981	8 998	8 271	11 399	5 131	9 607	6 163	21 007	
1982	8 534	8 082	11 035	4 577	8 452	6 935	21 644	
1983	8 016	8 702	11 749	4 736	8 076	5 563	20 081	
1984	7 975	8 480	11 517	4 648	9 348	6 071	22 314	
1985	7 572	8 308	11 231	4 610	8 430	6 543	23 408	
1986	8 215	9 564	12 763	5 507	9 548	7 069	28 211	
1987	10 572	11 229	15 739	7 226	12 736	8 066	33 816	
							80 090	

Source: Food and Agriculture Organization of the United Nations. 1987 Yearbook of Forest Products.

SECTION X

USER'S GUIDE

- Definitions of terms
- Trade area groupings
- Reference notes

X. USER'S GUIDE

A. Definitions of terms

Age class: Any interval into which the age range of trees, forests, stands, or forest types is divided for classification and use. Also the tree, forest, stand, or forest type falling into such an interval.

Balance of trade: The difference between the dollar, or money value, of a country's exports and imports of merchandise or of goods and services. If a country exports more than it imports, it has a trade surplus; if it imports more than it exports, it has a trade deficit. The balance of trade is an important part of a country's overall balance of payments.

Cansim (Canadian Socio-Economic Information Management System): A fully computerized data bank of Statistics Canada's current and historical information from its most widely used series of statistics.

Clear-cut: An area of forest land from which all merchantable trees have recently been harvested.

Constant dollar: Represents the value of expenditure or production measured in terms of some fixed base period's prices. (Changes in constant dollar expenditure or production can only be brought about by changes in the physical quantities of goods purchased or produced.)

Consumer price index: Measures the rate of change in a typical basket of consumer goods and services, including housing, food, and health care. It can be broken down into food and nonfood items, goods and services, and other components.

Domestic exports: Include both goods that are wholly produced in Canada and goods previously included in import statistics and which have been changed in form by further processing and then exported.

Employment, census of manufactures: Excludes working owners and partners of unincorporated businesses, which are separately tabulated, and outside pieceworkers. Respondents are asked for average number employed during the year. Production and related workers in manufacturing activity include those employees at the establishment engaged in processing, assembling, storing, inspecting, handling, and packing products and in maintenance, repair, janitorial, and security services; and working foremen. (Outside pieceworkers' remuneration is included in cost of materials). Administrative office and other non-manufacturing employees include all functions at head offices, sale offices and auxiliary units as well as cafeteria workers, research personnel, truck drivers, etc.

Employment, labour force survey: Persons who, during the reference period: a) did any work at all, for pay or profit in the context of an employer-employee relationship, or were self-employed (including unpaid family work, which is defined as work contributing directly to the operation of a family farm, business, or professional practice owned or operated by a related member of the household); or b) had a job but were not at work due to own illness or disability, personal or family responsibilities, bad weather, labour dispute, or other reasons (excluding persons on layoff and those with a job to start at a future date).

Establishment: The smallest unit capable of reporting certain specified input and output data; usually a plant or mill. Numbers for 1975 declined owing to the exclusion of existing establishments deemed to have no paid employees. Principal statistics of an establishment active in more than one municipality are prorated to "quasi-establishment" locations, which are treated as establishments in compilations.

Even-aged: Of a forest, stand or forest type in which relatively small age differences exist between individual trees. (The maximum difference in age permitted is usually 10 to 20 years; if the stand will not be harvested until it is 100 to 200 years old, larger differences up to 25% of the rotation age may be allowed.)

Exports: Sum of domestic exports and re-exports.

Forest biomass: It is the mass of the above-ground portion of live trees; it is expressed as oven-dry tonnes; it includes small-diameter trees and it excludes dead trees and branches, roots, and nonwoody vegetation.

Forest land: Land primarily intended for growing, or currently supporting, forest. Includes land not now forested, e.g. clear-cut lands; northern lands that are forested but not intended for any use; and plantations.

Fuel and electricity (cost of): Consumption of purchased fuel and electricity only, at laid-down cost including transportation and handling charges, duties, etc. Applies to large establishments only. Data for nonmanufacturing activity are included under manufacturing activity except where an ancillary office uses a separate "head office" report. In this latter case, the fuel reported is included under cost of materials for "Total Activity" only.

Gross merchantable volume of wood: Volume of the main stem, excluding stump and top but including defective and decayed wood, of trees or stands of trees.

Growing stock: The sum (by number, basal area, or volume) of trees in a forest or a specified part of it.

Hardwood(s): Trees belonging to the botanical group Angiospermae with broad leaves usually all shed annually. Also, stands of such trees and the wood produced by them.

Immature: In even-aged management, those trees or stands that have grown past the regeneration stage, but are not sufficiently developed to be harvestable (except for thinning operations).

Implicit price index: The most comprehensive of all the indicators available in Canada for measuring price change, because it covers the entire range of goods and services produced and sold in the economy. It is, therefore, used as a measure of price change taking place in the economy as a whole. Moreover, implicit price indexes are available for each of the main expenditure components of Gross National Product. Therefore, this set of indicators can be used to trace and identify pressure points among the principal areas of demand as they are seen to be associated with inflationary developments in the economy.

Imports: Goods and services that are consumed in one country, Canada, for example, but produced in other countries. It includes all goods that are cleared by customs on arrival in Canada, together with goods that are held in customs warehouses. The following commodity movements are excluded from import statistics: settlers' effects; private donations and gifts; goods imported by foreign representatives in Canada or brought back by Canadians returning from postings abroad; and temporary imports for exhibition or competition, including films. Bunker supplies and ships' stores purchased by Canadian vessels or aircraft abroad, temporary imports, and goods merely in transit through Canadian territory are not reflected in any of the statistics.

Indirect taxes: Taxes that represent a business cost or that are incorporated into prices at the retail level are taken here as indirect. They constitute, in effect, taxes on expenditures.

Inventory (forest): A survey of a forest area to determine such data as area condition, timber, volume and species, for specific purposes such as planning, purchase, evaluation, management or harvesting.

Lumber: The product of saw and planing mills that is not further manufactured beyond sawing, resawing, passing lengthwise through a standard planing machine, crosscutting to length, and matching.

Materials and supplies (cost of): Generally, consumption of purchased items only at laid-down cost including transportation and handling charges, duties, etc. Includes transfers between units of the same company and work done on contract by others. At the manufacturing activity level, this item represents purchased items used in manufacturing operations.

Mature: In even-aged management, those trees or stands that are sufficiently developed to be harvestable (includes overmature trees and stands if an overmature class has not been recognized).

Mechanical wood pulp: The production of fibers and fiber bundles by grinding wood with pulpstones or by mechanical refiners as opposed to chemical methods.

Nonreserved (land): Forest land that, by law or policy, is available for the harvesting of forest crops.

Oversize: Trees or stands of trees past the mature stage. Openings in canopy as a result of mortality are becoming apparent.

Paper: Generally, a matted or felted sheet of vegetable fiber, formed on a screen from a water suspension, used for writing and printing as well as for wrapping and many other purposes. Paper is one of two broad subdivisions of the general term "paper"; the other is paperboard.

Paperboard: A general term describing sheets made of fibrous material 0.012 in. (0.3 mm) or more in thickness. Compared with paper, paperboard is heavier per unit area, thicker, and more rigid. Paperboard is the term used to describe any single variety, or group of varieties, of board materials used in the production of boxes, folding cartons, and solid fiber and corrugated shipping containers.

Particleboard: A generic term for a panel manufactured from lignocellulosic materials - commonly wood - essentially in the form of particles (as distinct from fibers). These materials are bonded together with synthetic resin or other suitable binder, under heat and pressure, by a process wherein the interparticle bonds are created wholly by the added binder.

Plywood: A composite panel or board made up of cross-banded layers or plies, bonded with an adhesive, of veneer only, or veneer in combination with a core of lumber, or of particleboard. Generally the grain of one or more plies is roughly at right angles to that of the other plies. An odd number of plies is almost always used.

Production: The use of raw materials to create producer and consumer goods through various refining, processing, and manufacturing activities.

Production and related workers: See Employment, census of manufactures.

Productive (land): Forest land that is capable of producing a merchantable stand within a reasonable length of time.

Re-exports: Include only goods previously included in import statistics and which are exported from Canada in the same form as when imported. Minor operations such as sorting or blending are not considered as changing the condition of imported goods.

Reforestation: The process of rebuilding a forest after it has been logged, or after a fire or other natural processes such as disease kill the timber. Reforestation is accomplished through a variety of methods, including the planting of seedlings, the sowing of seed, or natural regeneration from "seed trees." (Before replanting, the ground usually is cleared of most of the debris, and efforts are made to limit the growth of brush and grasses that would compete with the seedlings for water and light.)

Regeneration: The renewal of a forest crop by natural or artificial means. Also, the new crop so obtained. The new crop is generally less than one metre in height.

Reserved (land): Forest land that, by law or policy, is not available for the harvesting of forest crops.

Roundwood: Sections of tree stems, with or without bark. Includes logs, bolts, posts, pilings and other products still "in the round."

Salaries and wages: These are compiled before deductions for income tax and employee-paid portions of both employee benefits and social insurance. They include payments for regular work, overtime, and paid leave as well as bonuses, commissions paid to regular employees, severance pay, etc. Withdrawals of working owners and partners of unincorporated businesses are excluded.

Sash: A frame structure, normally glazed (e.g., a window), that is hung or fixed in a frame set in an opening.

Seedling: A young tree having a diameter at breast height equal to or less than 1 cm. Includes trees with a height less than 1.30 m.

Selling price index: An index that shows changes in the overall inflation rate or the rate of price change for a particular sector of the economy, with the base year equal to 100.

Semicchemical pulp: Pulp obtained by mild treatment of wood chips by any of the chemical pulping processes, which remove only part of the lignin from the wood chips, followed by mechanical treatment to complete the separation of individual cellulose fibers.

Shakes: In construction, a type of shingle usually hand split from a bolt and used for roofing or weatherboarding.

Shingles: Thin, rectangular pieces of wood, sawn along the grain and tapering in thickness, used like tiles for roofing and weatherboarding.

Silviculture: The theory and practice of controlling the establishment, composition, care, and development of stands of trees to achieve the objectives of management.

Softwood(s): Cone-bearing trees with needle - or scale - like leaves belonging to the botanical group Gymnospermae. Also, stands of such trees and the wood produced by them.

Stocked forest land: Land supporting tree growth. In this context, tree growth includes seedlings and saplings.

Subsidies: Direct or indirect payments or other assistance to someone to produce goods or services - to benefit the consumer from lower prices, to protect producers against a decline in the price of their products, to encourage certain types of economic production, or to promote certain types of socially desirable activity.

Sulphate (kraft) pulp: A chemical wood pulp obtained by cooking wood chips at high temperature in a solution of sodium hydroxide and sodium sulfide.

Sulphite pulp: A chemical wood pulp obtained by cooking wood chips in a bisulfite-sulfurous acid solution.

Uneven-aged: Of a forest, stand, or forest type in which intermingling trees differ markedly in age. (The minimum difference in age permitted in an uneven-aged stand is usually 10 to 20 years).

Unproductive: Forest land that is incapable of producing a merchantable stand within a reasonable length of time. Includes muskeg, rock, barrens, marshes, meadows, etc., within a forest land area.

Value added, manufacturing activity: Value of shipments of goods of own manufacture plus net change in inventory of goods in process and finished goods, less cost of materials and supplies used, fuel, and electricity.

Valued added, total activity: Consists of value added, manufacturing activity and value added, nonmanufacturing activity. The latter is calculated by subtracting relevant commodity inputs from nonmanufacturing revenue or output; these commodity inputs are net of the change in inventories of goods purchased for resale. Nonmanufacturing revenues include depreciable fixed assets produced by own work force for own use, revenue from product rentals, etc., but exclude nonoperating revenue such as real property rentals, dividends, and interest.

Value of shipments of goods of own manufacture: Net selling value of goods made by reporting establishment, or for its account, from its own materials. Excludes discounts, returns, allowances, sales tax, excise taxes and duties, returnable containers, and common or contract carriers' charges for outward transportation (but not own carriers' delivery expense). Includes repair and custom revenue, transfer to reporting units of same firm, all exports, and book value of own products shipped the first time on a rental basis. Includes consignment shipments to other countries, but domestic consignment shipments are included in inventory units sold.

Veneer: A thin layer or sheet of wood.

Waferboard: A type of particle board composed of wafers cut from roundwood bolts (mostly poplar) of uniform length and thickness resembling small pieces of veneer. The wafers are bonded together with resin binder, under heat and pressure, by a process similar to that by which particleboard is made.

Working owners and partners: Include only those active in unincorporated businesses.

B. Trade area groupings

This is a selection of trade area groupings used in this publication.

Countries are arranged primarily according to geographical location. The country classification employed does not reflect the views or intentions of the Government of Canada on international issues of recognition, sovereignty, or jurisdiction. The trade areas shown in section III (Statistics Canada) and section IX (FAO) include groupings that are defined as follows:

Central America^a: Bahamas, Bermuda^b, Barbados, Belize, Commonwealth of Dominica^c, Costa Rica, Cuba, Dominican Republic, El Salvador, French West Indies^b, Guadeloupe^c, Guatemala, Haiti, Honduras, Jamaica, Leeward and Windward Islands^b, Martinique, Netherlands, Antilles, Nicaragua, Panama, Puerto Rico, Trinidad and Tobago, United States Virgin Islands^b.

China, People's Republic: China, Mongolia, and Taiwan.

European Economic Community (EEC): Belgium-Luxembourg, Denmark, France, Germany (Federal Republic), Greece^d, Ireland, Italy, Netherlands, Portugal^d, Spain^d, and United Kingdom.

Middle East - African part: Arab Republic of Egypt, Ethiopia, Libya, Somalia, and Sudan.

Middle East - Asian part: Bahrain, Cyprus, Emirates (United Arab), Iran, Iraq, Israel, Jordan, Kuwait, Lebanon, Oman (Muscat), Qatar, Kingdom of Saudi Arabia, Syria, Turkey, Yemen South, and Yemen North.

Other Eastern Europe^a: Albania, Bulgaria, Czechoslovakia, Germany (East), Hungary, Poland, and Romania.

Other Western Europe: Austria, Gibraltar, Iceland, Malta, Switzerland, and Yugoslavia^a.

South America: Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, French Guiana, Guyana, Paraguay, Peru, Suriname, Uruguay, and Venezuela.

Southeast Asia: Indonesia, Malaysia, Philippines, Singapore, and Thailand.

^aTo facilitate the comparison with certain studies published by FAO, Mexico is assigned to Central America instead of North America, Yugoslavia is assigned to Western Europe instead of Eastern Europe, and USSR is shown outside Europe instead of in Eastern Europe as coded in Statistics Canada publications.

^bCountry names coded only in Statistics Canada publications.

^cCountry names coded only in FAO publications.

^dGreece joined the EEC on January 1, 1981, and Portugal and Spain on January 1, 1986.

C. Reference notes

Shipments of roundwood in British Columbia

Beginning in 1980, the operations of "log supply divisions" in the British Columbia coastal region are treated as merchandising activity rather than logging activity. This change has been implemented to eliminate sizeable duplications in logging inputs and shipments. Involved are four establishments (in some of the earlier years there were five establishments). The "log supply divisions" are administrative units that control the distribution of roundwood and wood chips, from each firms' own logging establishments plus outside purchases and some contractor production, to their wood-using mills. Under the procedure used prior to 1980 the shipments by logging establishments to log supply establishments were duplicated by the shipments from the "log supply divisions" to the wood-using mills although in effect they were only book transfers. The revised figures for 1970-1979 eliminate this duplication.

Discrepancies between production and shipments of roundwood figures

Several reasons can be given to explain the inconsistency between production and shipments figures:

1. Inventories fluctuations.
2. Measurement methods vary from province to province. Some firms use methods recommended by provincial governments, but these methods do not always conform to Statistics Canada requirements. Therefore, Statistics Canada must develop its own conversion factors so that it can use the data for analyses and comparisons.
3. Production data are estimates of all logging operations (we arrived at these estimates using information obtained from the provinces and from Statistics Canada), while shipments comprise only quantities declared by firms whose primary activity is logging. Shipments made by small businesses, whose operations are reported in terms of dollar values, and those made by firms to their subsidiaries as part of a vertical integration, are not taken into account. Each of these factors is responsible for lowering the figures by approximately 10 to 15%.
4. Some small businesses have such low production that they are not included in Statistics Canada surveys.

